

# Architecture MINNESOTA

Supportive housing for people  
living with HIV/AIDS

Architect-designed doghouses  
benefit a cause

A look back at Ralph Rapson's  
Cedar Square West

## Architects Volunteer

Architecture for Humanity  
joins the tsunami relief effort

Members of the Minnesota chapter of Architecture for Humanity

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JOSHUA JANSEN



MELISA PEZUK, ASSOC. AIA

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### Mission Statement

*Architecture Minnesota*, the primary public outreach tool of the American Institute of Architects Minnesota, is published to inform the public about architecture designed by AIA Minnesota members and to communicate the spirit and value of quality architecture to both the public and the membership.

### Cover

Members of the Minnesota chapter of Architecture for Humanity (left to right): Pei-Ling Ko, Nick Woodard, Tu-Anh Bui, Maureen Ness, Jeffrey Swainhart, and Cassie Neu  
Location: Mill City Museum, Minneapolis  
Photographer: Don F. Wong



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# Service Above and Beyond

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**What first comes to mind** when you hear the word *pro bono*? I must confess that, in early planning for this issue on volunteer design projects, the term conjured for me an overworked but diligent lawyer or architect staying late at work to fulfill an important professional obligation. Was the work rewarding? Of course. But I imagined far more toil than joy.

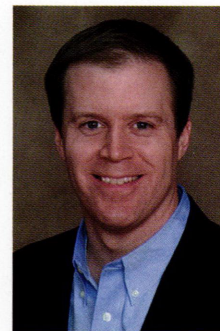
I couldn't have been more wrong. It turns out architects view *pro bono* work as a *reprieve* from their day-to-day professional responsibilities, as a chance to apply their training to their outside passions and interests. (Not surprisingly, then, *pro bono* design projects run the gamut, a fact verified by the contents of this issue.) That deserving clients with limited resources benefit from good design is icing on the cake.

A cultural interest and a family connection, for example, drew David Salmela, FAIA, to a Nordic ski center project (page 27) in northern Minnesota. Asked by organizers of an annual cross-country ski event for design ideas for a simple structure, Salmela answered with a cardboard model of a far more sophisticated building, and his enthusiasm set the wheels in motion for a more ambitious building campaign.

Volunteer projects also offer young architects and designers a chance to flex their design muscle. Matt Kreilich, Assoc. AIA, and Melisa Pezuk, Assoc. AIA, leapt at the opportunity to redesign the lobby of an award-winning local theater (page 30), with elegant results, and younger members of the Minnesota chapter of Architecture for Humanity, a handful of whom grace the cover, took the lead in designing a new village center (page 20) for a Sri Lankan community decimated by the 2004 tsunami.

I don't normally direct readers to the credits page, but I will on this occasion. The DJR Architecture design team photo on page 70 captures the joy that architects derive from volunteer projects that truly inspire them. The story behind this pleasing portrait can be found on page 36.

This issue also marks the end of an era at *Architecture Minnesota*. Rubin Cordaro Design, our graphic design firm for the past quarter century, will be moving on to new challenges in 2006, but their immense contributions to this magazine won't be forgotten. Bruce Rubin took over the reins with a major redesign of the magazine in the spring of 1981 and never looked back, elevating *Architecture Minnesota* to the visually engaging and award-winning regional architecture magazine it is today. Bruce, business partner Jim Cordaro, and graphic designer Ruth Christian have been trusted colleagues for as long as anyone here at the AIA Minnesota office can remember. More important, they have been, and remain, dear friends.



*Chris Hudson*

Christopher Hudson  
hudson@aia-mn.org



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## Calendar

### Opening January 28

#### Getty Villa

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Closed since 1997, the renovated Getty Villa reopens with a new mission as an educational center and museum dedicated to the study of the arts and cultures of ancient Greece, Rome, and Etruria. Located on the site of the original Getty Museum, the villa now boasts an entry pavilion, a 450-seat outdoor classical theater, galleries, a café, a store, and an auditorium. Opening exhibitions will highlight the villa's renovation, 19th-century photography of ancient Mediterranean sites, and ancient glassmaking.

### February 3–5

#### AIA Minnesota "Search for Shelter" Charrette

Rapson Hall, University of Minnesota–Twin Cities

612-338-6763

[www.aia-mn.org](http://www.aia-mn.org)

Over the course of one weekend, this charrette pairs volunteer architects, other design professionals, and students with real building projects submitted by Minnesota nonprofit housing organizations. The event begins with project introductions on Friday evening, followed by team meetings; Saturday includes site visits and a fast-paced design session. The public is invited to attend the concluding program at noon on Sunday when final design solutions are presented.

### Opening February 12

#### On Site: New Architecture in Spain

The Museum of Modern Art

New York, New York

212-708-9400

[www.moma.org](http://www.moma.org)

This exhibition documents the most recent architectural developments in a country that has become known in recent years as an international center for design innovation and excellence. Featuring 36 projects under construction in 2006 and another 14 recently completed, the exhibit reflects the geographic and generational diversity of the current wave of new projects and their architects, and includes a wide range of scales—from a single private house to a new international airport.

### Through March 26

#### Some Assembly Required: Contemporary Prefabricated Houses

Walker Art Center

Minneapolis, Minnesota

[www.walkerart.org](http://www.walkerart.org)

This exhibit presents many types and styles of prefabricated homes—from houses that owners can build from a kit of parts to those that arrive fully assembled. Challenging preconceptions of prefab as cheap and of low quality, the exhibition features a variety of modern modular dwellings in a range of materials, processes, and scales.

## INSIDER LINGO *By Gina Gensing*

### Pro Bono

**Fans of Sonny Bono, the late entertainer** and mayor of Palm Springs (1988–1992), are certainly "Pro Bono," as are followers of the rock band U2 and its leather-attired frontman Bono, whose name is pronounced differently. But the real definition of *pro bono* is: Free. No charge. On the house. More specifically, the term denotes professional work undertaken in a volunteer capacity. *Pro bono*, which entered the English language in 1726, is derived from the Latin *pro bono publico* ("for the public good"). Thus, *pro bono* work usually aids social, environmental, educational, and otherwise charitable causes. Such philanthropy may not pay the bills, but the results often have grateful recipients dancing with joy—perhaps to a U2 song. ❖

## Architecture Minnesota Wins Three Awards

*Architecture Minnesota* continued its award-winning tradition in November when it received three Publishing Excellence Awards from the Minnesota Magazine & Publications Association (MMPA). In the category of Professional/Association publications with circulation under 30,000, *Architecture Minnesota* received the following honors:

- Silver Award for Best Overall Design, for "Captivating Public Spaces" (January–February 2005), "Honor Awards" (March–April 2005), and "Modern Living" (May–June 2005)
- Silver Award for Best Feature Article, for "Design in Transit" (January–February 2005)
- Bronze Award for Best Directory, for Directory of AIA Minnesota Firms/Index of Firms by Building Type/Consultants Directory (May–June 2005)

"We're thrilled with these honors. AIA Minnesota architects are designing innovative, award-winning buildings, so it's our goal to present their work in an award-winning way," says *Architecture Minnesota* editor Christopher Hudson.

The MMPA Publishing Excellence Awards were established in 1997 to recognize and encourage outstanding publishing achievements in the areas of editorial, design, and overall excellence. The judges are volunteers from the industry selected for their expertise. ❖





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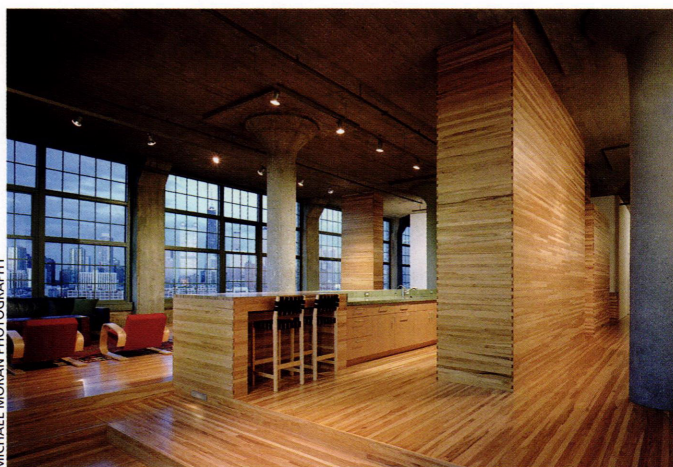
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# AIA Minnesota 2005 Honor and Divine Detail Awards

The AIA Minnesota Honor Awards program recognizes architectural excellence by honoring the clients and architects who make great buildings possible. During the 2005 AIA Minnesota Annual Convention and Exhibition, held in November, the jury gathered to review 122 submissions to the competition and bestowed 12 Honor Awards and one Divine Detail Award. The jurors were Kirk V. Blunck, FAIA, principal-in-charge, Herbert Lewis Kruse Blunck, Des Moines, Iowa; Lawrence Scarpa, AIA, principal, Pugh + Scarpa, Santa Monica, California; Karen Van Lengen, AIA, dean of the School of Architecture, University of Virginia, Charlottesville, Virginia.

Watch for coverage of the award winners in the March–April and May–June issues.



Chicago Apartment

## Horizon Middle School

Moorhead, Minnesota  
Rozeboom Miller Architects, Inc.  
Minneapolis, Minnesota

## Chicago Apartment

Chicago, Illinois  
VJAA  
Minneapolis, Minnesota

## Denton Public Library, North Branch

Denton, Texas  
Meyer, Scherer & Rockcastle, Ltd.  
Minneapolis, Minnesota

## The Minnetonka Center for the Arts

Minnetonka, Minnesota  
James Dayton Design Ltd.  
Minneapolis, Minnesota

## Dittmann Center for Art & Dance, St. Olaf College

Northfield, Minnesota  
Hammel, Green and  
Abrahamson, Inc.  
Minneapolis, Minnesota

## Storage Barns

Albertsson Hansen  
Architecture, Ltd.  
Minneapolis, Minnesota

## Wild Rice Restaurant

Bayfield, Wisconsin  
Salmela Architect  
Duluth, Minnesota

## Windsong Farm Golf Club House

Independence, Minnesota  
YA Architecture  
Minneapolis, Minnesota

## Kingdom Centre

Riyadh, Saudi Arabia  
Ellerbe Becket  
Minneapolis, Minnesota

## Divine Detail Award

## Handcrafted Copper Gutter

Edina, Minnesota  
TEA<sub>2</sub> Architects  
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## Honor Awards

### Andover YMCA Community Center

Andover, Michigan  
Rozeboom Miller Architects, Inc.  
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### Live/Work Artists' Housing

Mount Rainier, Maryland  
Hammel, Green and  
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### Streeter House

Deephaven, Minnesota  
Salmela Architect  
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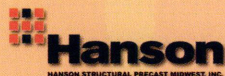
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# 2005 Minnesota Preservation Awards

**T**he Preservation Alliance of Minnesota, a non-profit organization dedicated to preserving, protecting, and promoting Minnesota's historic resources, has recognized 13 projects and individuals as recipients of its 21st annual Minnesota Preservation Awards. The program honors small- and large-scale preservation efforts across the state, from building reuse and restoration to community stewardship and advocacy. For more information on the winners, visit [www.mnnpreservation.org](http://www.mnnpreservation.org).

The 2005 honorees are:

## RESTORATION AWARDS

Cogel/Betcher and Phelps Blocks, Red Wing

Commercial Printing Office, Montevideo

LeDuc Historic Estate, Hastings  
MacDonald and Mack Architects, Minneapolis

Dietrich Omeyer Home Porch Restoration, St. Paul

The Riley-Jacques Barn Rehabilitation, Eden Prairie  
Miller Dunwiddie Architects, Minneapolis

Thompson Summer Cottage, Minnetonka Beach

University of Minnesota, Southeast Steam Plant, Minneapolis  
Miller Dunwiddie Architects, Minneapolis

## ADAPTIVE REUSE AWARDS

Hunstiger Building, St. Cloud  
GLTArchitects, St. Cloud

Red Wing Iron Works, Red Wing



PRESERVATION ALLIANCE OF MINNESOTA

Sumner Community Library

## ADDITION/EXPANSION AWARD

Sumner Community Library, Minneapolis  
KKE Architects, Minneapolis

## COMMUNITY EFFORT AWARD

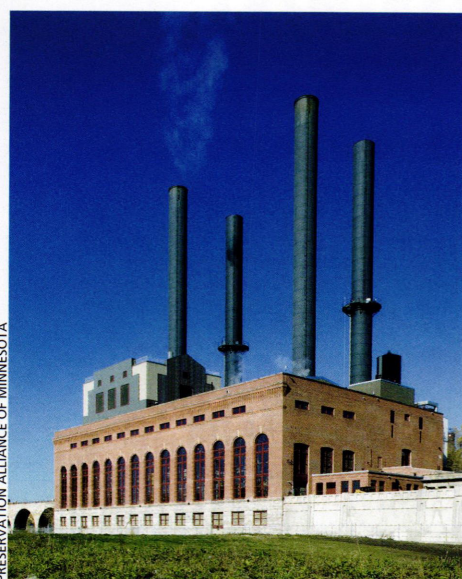
Friends of Henderson Heritage Preservation, Henderson

## COMMUNITY SERVICE AWARD

Fred Moore Middle School Calendar Club, Anoka

## STEWARDSHIP AWARD

Thomas Hagen, North Mankato



PRESERVATION ALLIANCE OF MINNESOTA

Southeast Steam Plant, University of Minnesota



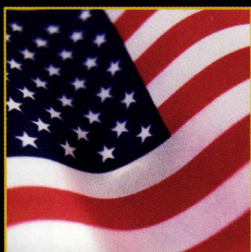
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# Housing the Homeless

BY BETTE HAMMEL

This winter, the University of Minnesota's College of Architecture and Landscape Architecture (CALA) is grappling with the problem of homelessness. "In Minnesota, homelessness is mostly hidden. In India, it's out in the open; homes are made on the streets so it's more accepted," says CALA research fellow **Virajita Singh**, a native of Mumbai (Bombay), who, together with CALA dean **Thomas Fisher, Assoc. AIA**, is teaching a **studio course on "Housing the Homeless"** this semester. In Minnesota, according to the Department of Human Services, there are 8,000 homeless people on any given night—35 percent of whom are children, 27 percent of whom are women, and 5 percent of whom are youth.

In this studio, students will look at ways to shelter the homeless in three different projects. First, students will design makeshift one-person shelters for living on the street; Singh suggests these could attach to existing infrastructure. The second project will focus on rehabilitating interior spaces at existing homeless shelters, which are open only from 6 P.M. to 7 A.M. Last, students will be asked to design a building with detailed units that use space efficiently. The course will also examine the work of artists and designers such as Krzysztof Wodiczko's "Homeless Vehicle in New York City," a shopping cart used as a shelter. Singh adds that personal research including tours of homeless shelters will help familiarize students with what it feels like to live without a home.

Also this winter **Singh** and **Fisher** will teach a graduate- and undergraduate-level **"Alternatives to Homelessness" seminar** that examines what other cities around the world have done to alleviate or eliminate homelessness. Singh says the course will have a particular focus: "What we are trying to do is address policy issues that make life more difficult for homeless people." Some cities, for example, allow only religious institutions to operate shelters, notes Singh. Seminar students will each be given a city to research, then report back on how that city addressed problemat-



The artist Krzysztof Wodiczko's "Homeless Vehicle in New York City" (1988-1989).

ic policy issues on homelessness, whether through circumvention or by adopting new policies.

CALA has received a university grant to prepare a research document on the subject. Graduate students in the seminar will be responsible for writing the introduction and overview for the report. Singh and Fisher, meanwhile, have carried out their own research, touring and volunteering at homeless shelters in the Twin Cities.

This past fall, CALA students in associate professor **Mary Guzowski's "Shelter" seminar** were asked to design a prototype ecological dwelling—an "ecoshelter"—for people impacted by natural disasters such as hurricanes and flooding. Students selected one of several sites along the Mississippi River but had to consider the effects of both hot, humid climates and cold northern climates in their designs. The transitional and sustainable shelter had to be portable, adaptable for climate changes, and respond to human needs. After considerable research, the students came up with a variety of unique schemes. This winter, Guzowski will lead a design studio that explores sustainable-design systems and construction in greater depth.

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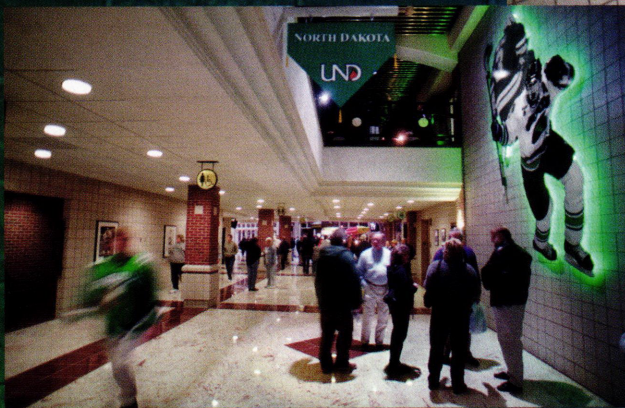


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# The Preservation Plan

Volunteer preservation work aids historic-building owners with limited resources while offering young architects a chance to spread their wings

BY ROBERT ROSCOE

**Occasionally, deteriorating historic buildings** come into the hands of owners with limited budgets but a deep appreciation for historic architectural character. Usually these owners plan to rehab their properties in piecemeal fashion, as finances allow, rather than taking a systematic approach. Unfortunately, as the buildings continue to age, the necessary repairs only become more complicated and expensive.

Two historically important structures in St. Paul—an aging church in the Frogtown neighborhood, near the State Capitol, and a pleasant Victorian house on a semi-secluded hilltop in Mounds Park—have accumulated long lists of needed repairs that have overwhelmed their owners. The Rock of Ages Missionary Baptist Church needs substantial repairs to its brick walls and a structural evaluation of its walls and roof so its parishioners can know if the building is safe for occupancy. Aging mechanical and electrical systems and other building components also need attention, but the congregation, whose numbers have declined in recent years, isn't able to do a comprehensive renovation in one phase of construction.

On St. Paul's East Side, the Peter and Mary Giesen House requires an array of exterior and interior refurbishments. The owner has hired repair of cracked brick and decayed mortar joints in the five chimneys and selected wall areas, and new roofing is being installed. These measures will accomplish much of the needed exterior stabilization, but continuing restoration would be greatly aided by a comprehensive approach that guides and prioritizes all future work on the house.

What the parish and the homeowner need is a preservation plan. To initiate a preservation plan, a team of professionals—typically architects, structural engineers, and construction-management experts—first conducts a thorough assessment of the history of the structure and its current condition. Equipped with this information, the team then charts a coordinated rehabilitation process that can be performed in phases in accordance with the building's physical needs and the owner's budget.



ROBERT ROSCOE

*The Rock of Ages Missionary Baptist Church and the Peter and Mary Giesen House in St. Paul are in need of a preservation plan.*

Preservation plans vary, as every historic building has unique circumstances relating to building type, age, alterations, degree of deterioration, and occupancy history. The plan's primary objective may be ensuring immediate stabilization or setting up an ongoing maintenance program. Robert Mack, FAIA, of MacDonald & Mack Architects, Minneapolis, says that at the core of most preservation plans is an historic structures report that documents "what's there." The report identifies the building's architectural style, its different configurations over time, its present physical condition, and, most important, the causes of deterioration. Mack notes that the report provides the basis for prescribing methods of rehabilitation. The goal, of course, is restoration. "The evaluation occasionally involves determining the period of the structure's significance," says Mack, "which can lead to determining how added components, such as a porch addition in a later architectural style, fit the main building—or perhaps do not. And, if not, what are acceptable mitigating measures?"

If the property has no historic designation and none will be sought, the historic structures report can be more of a summary than a comprehensive study, according to Robert Claybaugh, AIA, whose firm Claybaugh Preservation Architecture has helped devise numerous preservation plans. Nevertheless, notes Claybaugh, the detective work that uncovers how a building was constructed and

*Continued on page 50*





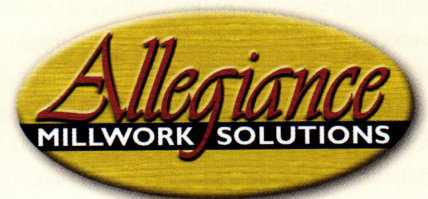
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# Architecture's Public Health

The case for a publicly funded profession

BY THOMAS FISHER, ASSOC. AIA

**Richard Farson, president of the Western Behavioral Sciences Institute** in La Jolla, California, and a former public member of the American Institute of Architects' board of directors, made this rhetorical observation to AIA leaders when he stepped down from the board in 2003:

*I sometimes wonder what an American architect would say if approached by the leader of China seeking his or her help for the 800 million ill-housed, struggling Chinese. "Well, the way we believe residential architecture should be practiced is that each home should be custom designed. The architect should be an integral part of the process for each structure, from beginning to end, carefully surveying the site, designing a structure that is particularly suited for that site, working intensively with the client to understand that individual's special needs, making sure that the contractors are performing and that the project is completed on budget. Normally it takes us about a year or so to finish such a project, and we can undertake perhaps ten a year. We don't condone selling stock plans. But we could bring a thousand architects to work with you." The leader would shake his head, concluding that such a program, even if China could afford it, would take 800 years.*

Farson ended his talk by calling on architects to become "meta-designers" who are focused less on the design of individual buildings and more on orchestrating contributions from a wide range of other disciplines to help address the problems of the built environment. Even more controversial, he argued that "architecture should be publicly supported in the same way that education and medicine are. Our professional strategies should include making a case for major public funding, to the tune of trillions of dollars over time." While a publicly funded profession might sound odd to most architects, the idea certainly isn't a new one: Other fields have taken this path, to great effect.

Consider that the architect-client relationship parallels the doctor-patient relationship in medicine, in which the professional addresses individual needs one at a time. But medicine has also evolved another model—public health—to address the needs of large groups of people. Architects and landscape architects have long had a relationship to public health, from Freder-

“Our profession has not built the institutions and agencies that can help us bring our knowledge to large numbers of people who need our expertise and yet cannot, individually, pay for it.”

ick Law Olmsted serving as head of the U.S. Sanitary Commission during the Civil War, to researchers such as Ann Forsyth, director of the Metropolitan Design Center, investigating the health effects of walkable communities in partnership with the University of Minnesota's School of Public Health. And widespread health hazards such as lead paint, asbestos, mold, and radon remain of great concern to the architectural profession.

But rarely have architects looked to public health as a model for practice. Most practitioners in our field work in small businesses, as physicians do, rather than in industry and government, as does the public-health community, even though health, safety, and welfare stand as a central justification for our professional licensure. Farson suggested, in his AIA address, that our small-business mentality stems from the heroic individualism sewn into the fabric of American history and culture, and also from what he saw as the "conservative politics of the majority of architects," which might lead some to avoid careers in the public sector. The real problem, however, lies not in our political ideology but in simple pragmatics: Our profession has not built the institutions and agencies that can help us bring our knowledge to large numbers of people who need our expertise and yet cannot, individually, pay for it.

It took public health a long time to evolve such organizations. Public-health services in the U.S. date back to 1798, when the federal government established the Marine Hospital Service (MHS) to care for American seamen and traders. Nearly a century

*Continued on page 50*





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# Pro Bono Publico

BY BILL BEYER, FAIA

**In 1997, floods ravaged the communities of Minnesota's Red River Valley;** in 1998, a tornado did monstrous damage to St. Peter. In the wake of these natural disasters, good citizens from across the state volunteered to help, including many architects. AIA Minnesota worked alongside other organizations to help organize architect-volunteers to meet with individual home and business owners, to assess damages, and to recommend and prioritize action for repair and rebuilding. Today, teams organized by the American Institute of Architects are joining the massive volunteer efforts addressing the damage done to cities by Hurricane Katrina.

The term *pro bono publico* ("for the public good") is most often associated with the legal profession. Because the constitutional right to legal counsel in criminal matters can make the difference between liberty and prison, or life and death, lawyers have long embraced a culture of providing services to poor and disadvantaged persons. All state bar associations encourage lawyers to provide time to persons of limited means. Individual lawyers in Minnesota are asked to donate 50 hours annually; the guidelines for other states vary. Valuable legal service can be dispensed by a single attorney on behalf of another individual, and typically does not rely on extensive collaboration with third parties to be implemented or useful.

Advising clients in the areas of design and construction, on the other hand, often involves a more prolonged and integrated process. Architecture, planning, and urban design inevitably require teams of professionals, which can be big and messy. Without the exalted hero-leader role that sells newspapers, large team efforts tend to receive little attention in our hero-worshipping society.

The Minnesota Design Team (MDT), administered by AIA Minnesota, brings volunteers to the task of small-town planning and urban design in communities across the state. Since 1983, the MDT has provided more than 85 Minnesota

towns with ideas, encouragement and guidance, implementation strategies, and follow-up. The MDT was patterned on the American Institute of Architects' R/UDAT (Regional/Urban Design Assistance Team) program, which assembles teams of architects, planners, economic-development specialists, sociologists, and landscape architects for intense and focused four-day charrettes in urban areas across the country. Programs such as these offer opportunities for architects to volunteer their services for public clients who may be unlikely to seek out normal professional consulting services.

Architects can act individually for the public good as well. The AIA Minnesota Volunteer Clearinghouse works with a local management group matching architects with nonprofit clients who have limited resources. A volunteer architect may provide up to 40 hours of design service for space planning, building-code issues, and accessibility compliance. And, of course, many architectural firms have developed their own cultures of giving, providing services to clients with worthy social programs that might not otherwise be realized.

One note of caution: Volunteering to provide assistance after natural disasters can expose design professionals to liability for the advice they give. Good Samaritan laws exist in most states relating to health-care providers and other first-responders at the scene of an emergency. But where natural disasters create emergency conditions requiring ongoing or prolonged assistance by a wide range of volunteers, the laws vary widely. Currently, 15 states have laws shielding architects and engineers acting in this volunteer capacity, and such protection is lacking in two of the three states hit hardest by Katrina. Minnesota's Good Samaritan and volunteer statutes do not currently cover design professionals.

In Minnesota, architects are licensed, in part, "to promote the public welfare." Liability notwithstanding, a culture of giving serves that end and helps to make a professional life. ❖



“We make a living by what we get, but we make a life by what we give.”

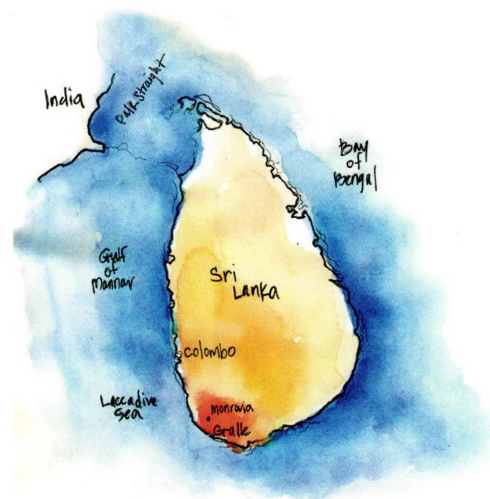
—Winston Churchill



# Wave of Hope

The Minnesota chapter of Architecture for Humanity comes to the aid of tsunami victims in Sri Lanka

BY DOROTHY RAND



Monrovia Estate, a former coconut and cinnamon plantation in Sri Lanka located two and a half miles inland from a southern shore devastated by the 2004 tsunami, is being transformed into a new village for people left homeless by that far-reaching natural disaster. Fishermen and their families who can no longer live next to the sea—their livelihood—are moving into new

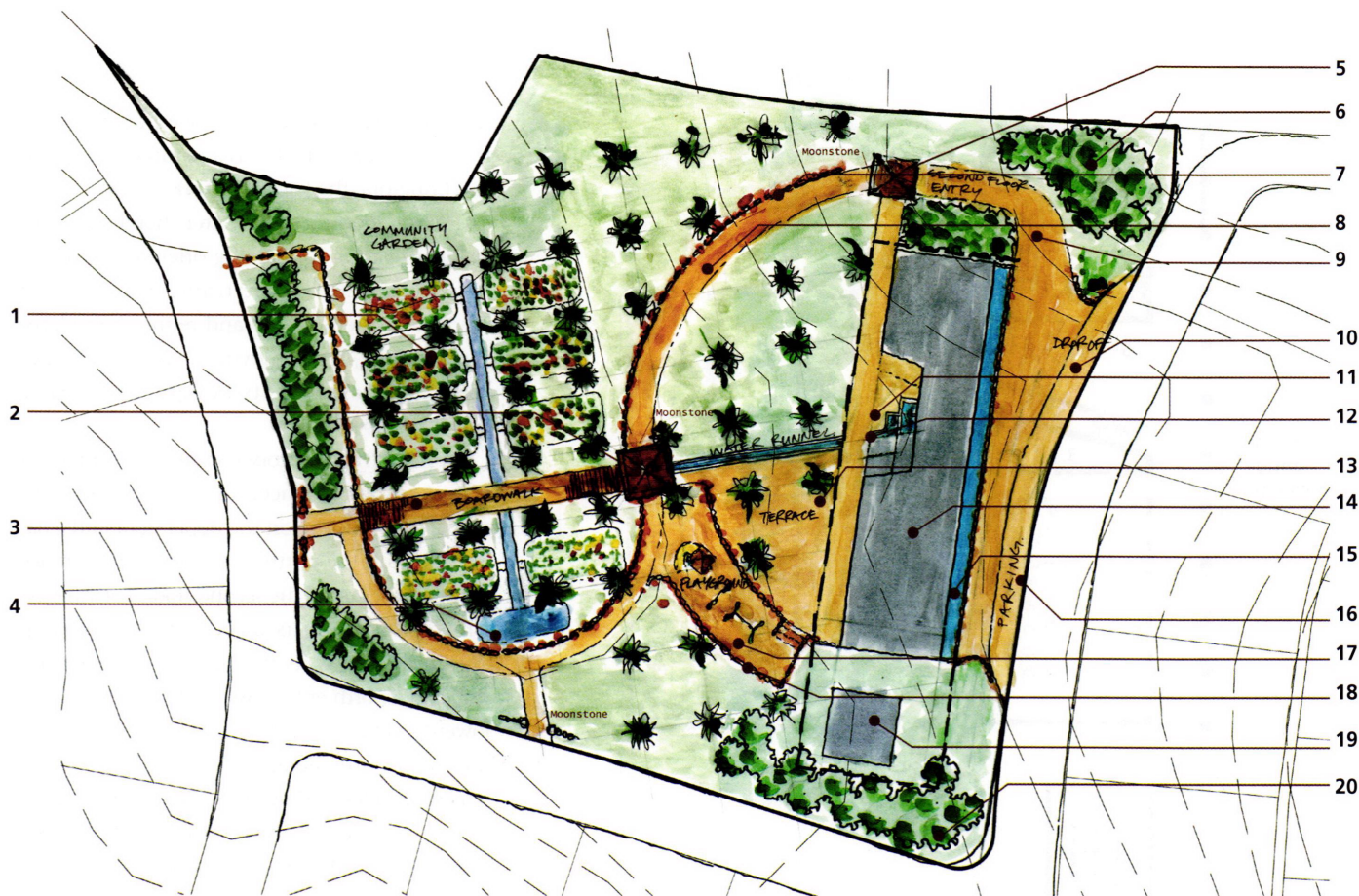
homes designed by Sri Lanka's Urban Development Authority (UDA). However, while homes are a top priority in the wake of such a catastrophic event, a village is comprised of more than houses; in the long term, people also need places to gather, learn, grieve, celebrate, access information, and receive medical care. Such are the needs that 17 individuals, half a world away in Minnesota, worked to address last summer in just 24 hours.

The effort was sparked by the Minnesota-Sri Lanka Friendship Foundation (MNSLFF), an organization "dedicated to promoting social, cultural, educational, and economic ties" between Minnesotans and the people of Sri Lanka. The foundation had raised about \$460,000 to help fund construction of new homes and a community center, but while the building of houses was progressing, MNSLFF leaders knew that the overwhelmed UDA would not get around to designing a community center for quite some time. Enter the Minnesota chapter of Architecture for Humanity (AFH MN), a volunteer group of architects and design professionals (see list of participants on page 70) that creates architectural solutions to humanitarian crises around



JEFFREY SWAINHART, ALLIED AIA





#### PLAN

- |                           |                         |                                    |                    |
|---------------------------|-------------------------|------------------------------------|--------------------|
| 1. Community garden plots | 6. Coconut trees        | 11. 1st-floor north entry          | 16. Parking        |
| 2. North entry pavilion   | 7. Rubble wall          | 12. Water passage beneath building | 17. Playground     |
| 3. Boardwalk              | 8. Ramp                 | 13. Social gathering terrace       | 18. Rubble wall    |
| 4. Retaining pond         | 9. 2nd-floor east entry | 14. Community center               | 19. Bathrooms      |
| 5. East entry pavilion    | 10. Drop-off            | 15. Reflecting pool                | 20. Cinnamon trees |

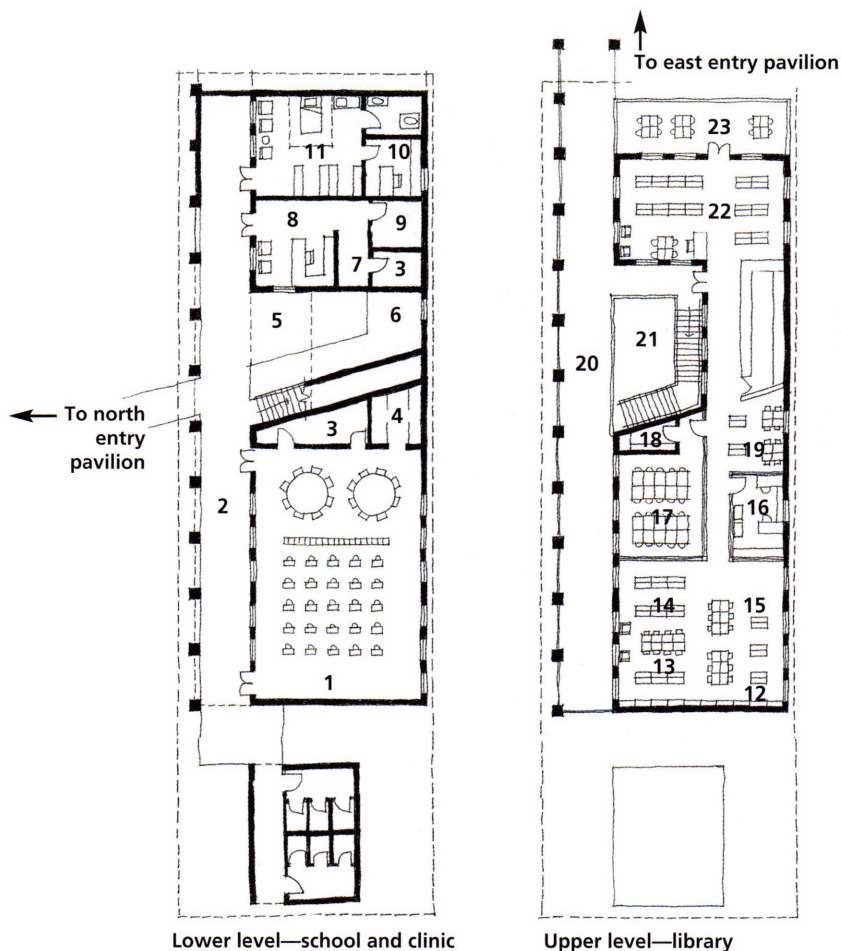
the world. At a meeting of Pan-Asian Tsunami Healing (PATH, a group of nonprofits that includes MNSLFF) and AFH MN representatives, several potential tsunami relief projects were proposed to the designers. It became clear that the MNSLFF project was the most feasible, with funding, land, and government connections to move the project along.

And so, on a hot Friday evening in July 2005, at the offices of the Minneapolis architecture firm SmithGroup, members of the two organizations gathered to kick off a charrette—a focused, fast-paced design session with a short timeline. MNSLFF president Ananda (Lal) Liyanapathirana and a few of his foundation colleagues presented a video and topographical map of the site and a list of needs for the 4,000-square-foot structure: a library and technology center, a small medical clinic, a playground, and a space serving double duty as a preschool during the day and a community meeting room

in the evening. Access to the coast, where the villagers had previously lived, and to the world beyond was a major consideration, as was site accessibility; MNSLFF wanted to ensure that all villagers could use the facility, including those with impaired mobility as a result of injuries incurred by the tsunami. The designers also learned that, in Sri Lanka, entrances face east to greet the sunrise and bathrooms are housed in a separate building.

Thus informed, the designers set to work on Saturday morning. They divided into four groups: heating, cooling, and ventilation; site; space planning; and connections. Each team brainstormed ideas related to its topic for three hours and then presented to the larger group. As each group outlined its initial concepts, water emerged as a theme tying many aspects of the project together. It figured into heating and cooling systems and helped make the connections MNSLFF had hoped for: to the coast; to





#### PLAN

1. School/meeting room
2. Veranda
3. Storage
4. Kitchen
5. Courtyard
6. Water feature
7. Workroom
8. Director's Office
9. Technology
10. Office
11. Clinic
12. Youth—grade

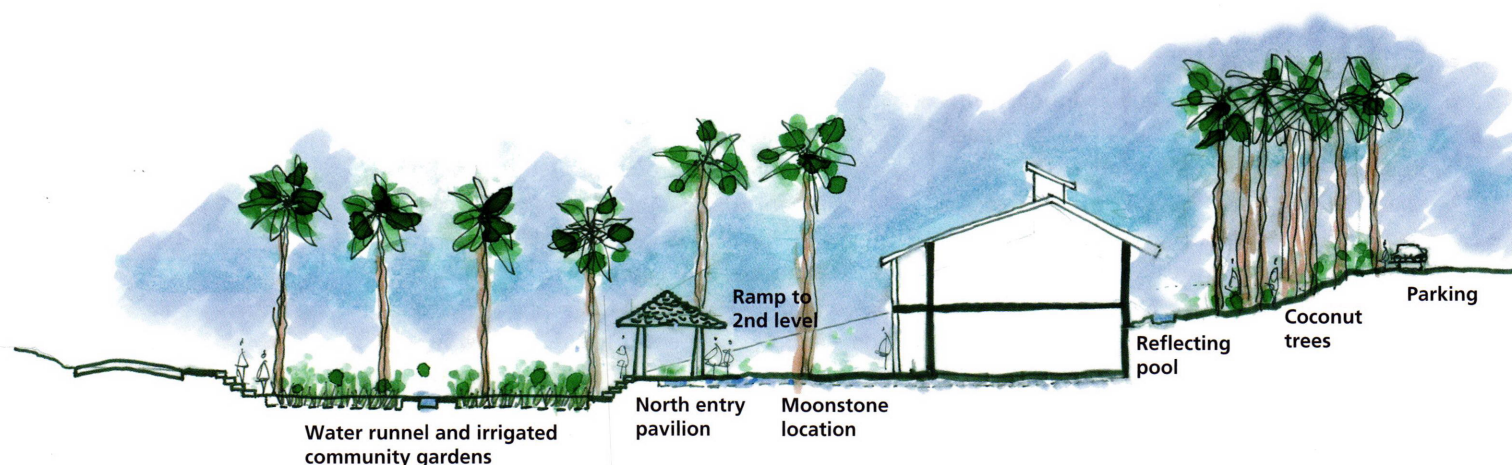
13. Fiction
14. Nonfiction
15. Youth—preschool
16. Workroom
17. Multi-purpose room
18. Audio-Visual
19. Special collection
20. Balcony
21. Open to below
22. Reference
23. Reading deck

the immense life-changing waves; to the site of the new village, which has a natural spring; and to Minnesota, the Land of 10,000 Lakes.

Having identified the water theme and other ideas relating to building orientation, natural light, and wind, the teams went back to work to further develop and refine their plans. That evening, after enjoying a Sri Lankan feast, AFH MN presented its designs to MNSLFF board members.

In plan, the two-story community center is a simple rectangle placed on an east-west axis, with a long balcony on the upper floor and a patio below on the north side. The main entrance is at the east end of the second floor. For villagers who can't climb stairs, a large semicircular ramp gracefully winds its way down, on a natural slope, to a north entry pavilion that opens to the lower-level veranda and playground. The second floor houses the library and technology center, which includes reading areas, circulation and reference desks, and computers that will link the new village to the global community. A central staircase brings visitors down to the first-floor classroom, medical clinic, office, kitchen, and storage spaces. In the evenings, when school is not in session, the classroom and veranda can accommodate social gatherings.

The heating and cooling systems are ecologically sensitive by virtue of their simplicity. Utilizing the natural spring on the site, the design







team created a long pool adjacent to the building, on its south side. When winds from the coast pass over the water, they'll cool before entering the building. On warm days, hot air can escape the building through a covered hole in the clay-tile roof—a heat stack with open sides. Ceiling fans will cool the interior rooms, balcony, and porch.

In addition to cooling the building, water will run from the pool under the building, across the patio, past the north entry, and into community gardens for irrigation. "It was important to keep the water moving," says LHB designer Tu-Anh Bui, Assoc. AIA. "Standing water means mosquitoes"—as Minnesotans well know.

Elsewhere on the site, the designers proposed replanting coconut trees to create a link to the estate's history. Another landscape design idea called for moonstones—semicircular stone slabs often found at entrances to Buddhist temples that tell a story in pictures. Moonstones at Monrovia Estate could be carved from Minnesota limestone and placed at key intersections on the site. "The foundation wanted to connect the project to Minnesota and the volunteers," says Cassie Neu, a landscape designer with LHB. "The moonstones were a more subtle and artistic way to do this than was a simple sign."

The foundation board members were thrilled with the charrette results. Lal says the designers

"paid careful attention to every detail, and were very respectful of Sri Lankan culture. We were surprised at how much they were able to accomplish." And the AFH MN participants came away energized by the experience. "Charrettes are a fun challenge," Bui enthuses, "because everyone takes on more responsibility, and younger designers can play a bigger role."

Currently, the project is being refined and approved by the UDA. A few design elements have been changed: the moonstones have been removed, another tsunami relief organization will build a separate medical clinic, and the pool may be altered due to concerns about the danger it poses to small children. Still, though details change, the AFH MN team made a difference. The group hopes to take on more projects in the near future. Unfortunately, with the recent wave of large-scale natural disasters, there seems to be a never-ending need for volunteer design services. "All over the world, there are very poor people who live with so much less than Americans do," says Jeffrey Swainhart, Allied AIA, AFH MN leader and owner of Swainhart Construction. "We suffer a poverty of spirit if we do not reach out and help those less fortunate."

#### Community Center

Hikkaduwa, Sri Lanka

Minnesota chapter of Architecture for Humanity

*The charrette was held at the Minneapolis office of SmithGroup. "It was a true collaboration," says SmithGroup's Nick Woodard, AIA. "Seventeen people from different firms and design disciplines, ranging in age and skill level, all working together."*



# Fitting In Standing Out

A new model for affordable supportive housing rises on the east bank of the Mississippi River in Minneapolis

BY PHILLIP GLENN KOSKI, AIA

At first glimpse, Clare Apartments looks like any number of smart new housing projects popping up all over the once-tired, blue-collar neighborhood of St. Anthony East. Clad in warm yellow and reddish-brown brick and featuring generous windows and a crisply detailed neo-traditional cornice line, the building bears all of the hallmarks of the city's emerging urban-infill style.

Conceived as a "supportive-housing community," Clare Apartments was built by the local nonprofit group Clare Housing to meet the needs of people living with HIV/AIDS. A mixed-use building of a slightly different stripe, the project consists of three floors of one-bedroom and studio apartments, new administrative offices for Clare Housing, a board and neighborhood meeting room, and resident-support spaces located on the lower level.

Clare Apartments' programmatic mix and mission reflect a unique and innovative response to the changing needs of those living with HIV/AIDS. Clare Housing's executive director, Lee Lewis, explains: "When we began in 1994, our focus was providing housing for people at the end of life with adult foster-care facilities. With the advent of protease inhibitors and their life-extending results, we saw a growing demand for permanent and affordable housing that also had on-site support services."

The challenge for St. Paul-based Cermak Rhoades Architects was to create a building that enabled residents to manage their health through on-site services and connected resi-

dents to the community around them. According to lead project manager Michelle Baltus Pribyl, Assoc. AIA, the design and location of the building grew out of discussions with both the neighborhood and the client. "All were concerned that Clare Apartments not be an isolated building. They wanted it to be a part of the neighborhood."

Responsible for master planning the half-block urban site, Cermak Rhoades located the building along the highly trafficked Central Avenue, where it anchors a street corner and serves as a gateway to the largely residential St. Anthony East neighborhood. In keeping with the ideals of a diverse, integrated community, a second phase of the project—a bank of owner-occupied townhouses developed by the Central Community Housing Trust (CCHT)—is planned for the western edge of the site. The two new buildings, along with the existing adjacent Spring Manor high-rise owned by the Minneapolis Public Housing Authority, will share a central green space featuring rain gardens, a healing garden for Clare Apartments residents, and low-maintenance native plantings. Extra efforts were made to save two mature cottonwoods that dominate the site and provide welcome shade.

Evoking the historic commercial buildings nearby, the base of Clare Apartments is articulated with large areas of storefront glass interspersed with dark-brick piers. Above that, a regular pattern of punched window openings in a solid yellow-brick wall echoes the commercial

AARON HOLMBERG PHOTOGRAPHY

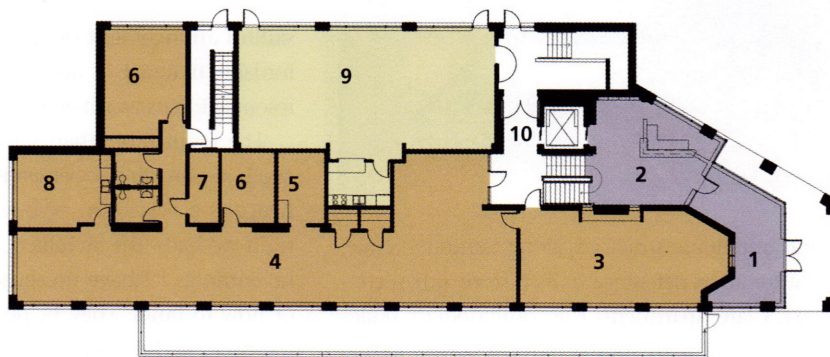
*Cermak Rhoades' placement of Clare Apartments snug with Central Avenue takes a bold first step in re-creating an urban street wall. The main entry, right, points north to shared parking and a transit stop half a block away.*



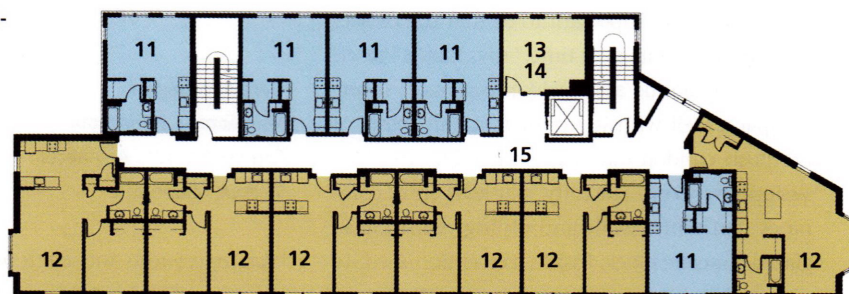




FIRST-FLOOR PLAN



THIRD- AND FOURTH-FLOOR PLAN



PLAN

1. Entry
2. Lobby
3. Conference room
4. Open office
5. Workroom
6. Meeting room
7. Storage
8. Break room
9. Resident lounge
10. Hall
11. Small units
12. Large units
13. Office—3rd floor
14. Laundry—4th floor
15. Corridor





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AARON HOLMBERG PHOTOGRAPHY

*Top: At dusk, the vestibule and lobby become a welcoming lantern. The three-story bay window above is rendered minimally, a subtle continuation of the prowlike treatment of the entry. Below: In the community room, the resourceful designers created a humane and interesting setting with institutional vinyl-tile flooring and paint colors.*

and warehouse structures along Central Avenue. But for all its deference to its historic urban context, Clare Apartments is a contemporary building as well, with simple massing and minimal detailing. "While we designed the project to fit the neighborhood, and to suit the needs of the residents, it was important to us that the project be a building of its own time," says Baltus Pribyl.

The capacious and welcoming main lobby compares well with its counterparts in many of the posh condominium projects lining the Mississippi riverfront. The lofty split-level entry combines taut white walls and ceilings with black-glazed concrete block. Inside, a reception/security desk and waiting area greet visitors with an easy and humble grace. At dusk, the lobby becomes a

beacon to passing cars, illuminated by simple cylindrical pendant lights.

Throughout the building's interiors—living units, hallways, offices, and public spaces—the architects employed workaday materials to great effect. Standard-issue vinyl-tile flooring is laid out in random bands and blocks of complementary colors. Brightly colored walls pop up at strategic locations to enliven otherwise ordinary spaces. The skillful arrangement of simple, durable, and affordable materials is an example of architectural resourcefulness worth emulating.

The result more than satisfies Lee Lewis, who excels at providing social services but had no experience as a developer. "We were blessed with the team we had—the architects and the contractor," he enthuses. "I have no sense of building design or how to build. They helped me think through the issues and the priorities, and the process went smoothly. In the end, we got what we wanted—a building filled with light and color."

**Clare Apartments**  
**Minneapolis, Minnesota**  
**Cermak Rhoades Architects**  
**St. Paul, Minnesota**

*Clare Apartments was not a pro bono design project, but it is without question pro bono publico—"for the public good."*





# Let It Snow

A premier cross-country ski event held each year in Mora, Minnesota,  
finally has a place to call home

BY GLENN GORDON

*David Salmela's Mora Vasaloppet  
Nordic Ski Center facing the  
sunrise on a clear winter morning.*

PETER BASTIANELLI-KERZE

**T**he central Minnesota town of Mora was settled by Swedish immigrants during the great exodus of Scandinavians to the Upper Midwest in the late 19th and early 20th centuries. Mora was named after its sister city, Mora, Sweden, famous as the site of the convergence every year of more than 15,000 skiers from around the world for the classic Nordic cross-country ski competition known as the Vasaloppet.

For the past 25 years, the old country never far from their hearts, the people of Mora, Minnesota, have staged their own Vasaloppet in emulation of the original. The Mora Vasaloppet,

run on the second Sunday of February, is one of the premier Nordic ski events in the U.S., each year drawing more than two thousand skiers to compete in races over courses varying in distance from 13 to 58 kilometers.

Until recently, however, Mora was without many of the amenities needed by racers who take their skiing seriously. There was no good place to wax skis, and no place with lockers, saunas, or any place to lounge. Cross-country skis need to be waxed in response to the changing condition of the snow on the trails, and those trails themselves have to be groomed. For years, people had been waxing their skis in a damp little outbuilding belonging to the town's middle school adjacent to the site of the race. The equipment used to groom the courses was stored in the city garage, some distance from the site, and this





PETER BASTIANELLI-KERZE

equipment wasn't permitted to roll along the town's streets because its cleated wheels tear up the road surface. Every year, the machines had to be hoisted aboard trucks, hauled to the ski course for the few days of the event, then hauled back to storage. All this pointed to the need for a Nordic ski center, and this is where architect David Salmela, FAIA, came in.

David's brother Terry Salmela lives in Mora, where he was the county agent and is an avid skier. Terry suggested to John Holister, one of the Vasaloppet's organizers, that he ask his brother for some ideas. Holister did, and the architect obliged with a cardboard model of a building far better than what the organizers had bargained for. "We were thinking more along the lines of a prefab pole barn," says Holister, "but David can be very persuasive." Salmela proposed a building that would be more at home in the landscape, a kind of villa evoking the rural Sweden to which so many Mora residents trace their roots.

The resulting building, the Mora Vasaloppet Nordic Ski Center, consists of a two-story central element containing a lobby with a lounge on the floor above, and two single-story wings of unequal length: one a room for waxing skis and the other fitted out with lockers, restrooms, saunas, and showers. The windows and their subdivided lights are all square, a signature Salmela design element. Salmela, who took the project on pro bono, produced all the construction drawings

PETER BASTIANELLI-KERZE



TERON SALMELA





and made frequent visits to the site as the building went up. The ski center was erected by local contractors and with the help of volunteer labor from skiers in and around Mora. No public money was spent on the project; funds for construction were raised at events such as wine and cheese parties. The school district, which donated the land, owns the building, making the ski center tax-exempt, but the Vasaloppet organization operates and maintains the facility.

Salmela aimed for a building fairly traditional in its overall form, but the industrial materials sheathing the exterior are contemporary—a pre-painted standing-seam metal roof and corrugated steel siding in factory standard colors, all right off the shelf. Inescapably, the corrugated red steel siding gives rise to associations with traditional red board-and-batten barn siding; as

Salmela says, “I like to borrow some things. I like to introduce others.” In contrast to the tightly manufactured exterior materials, the interior walls and ceilings are paneled with knotty pine donated by one of the Vasaloppet’s prime movers, Robert Lindig. The lumber was sawn from trees that Lindig once planted as seedlings—an element of the building that is truly indigenous to the landscape. A modernist work moderated with a feeling for its setting, a design overlaid with a skein of cultural memory, the ski center shows a genuine respect for the Swedish vernacular, without a hint of kitsch.

**Mora Vasaloppet Nordic Ski Center**

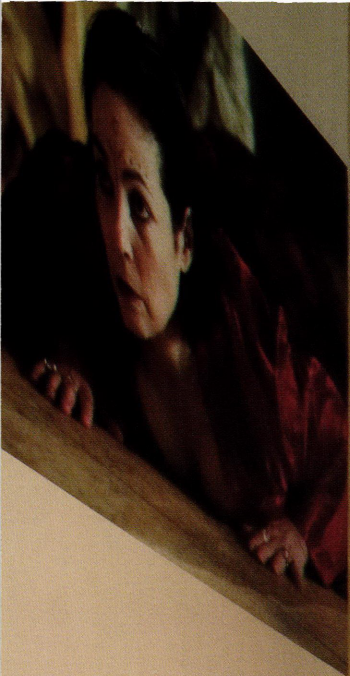
**Mora, Minnesota**

**Salmela Architect**

**Duluth, Minnesota**

*Far opposite: The windows are squares within squares throughout the building, but some, against expectation, are positioned to overlap the trim. Near opposite: Skiers prepare for a race, the west face of the ski center behind them. Above: The ski-waxing room, with tables and waxing fixtures built by volunteer labor. The pine paneling the walls was sawn from trees planted years ago by one of the resident skiers.*





## THE OLD MAN WHO READ LOVE STORIES

by Luis Sepulveda  
Jeune Lune creates a  
world of magical realism  
infused with the sights  
and sounds of Latin America







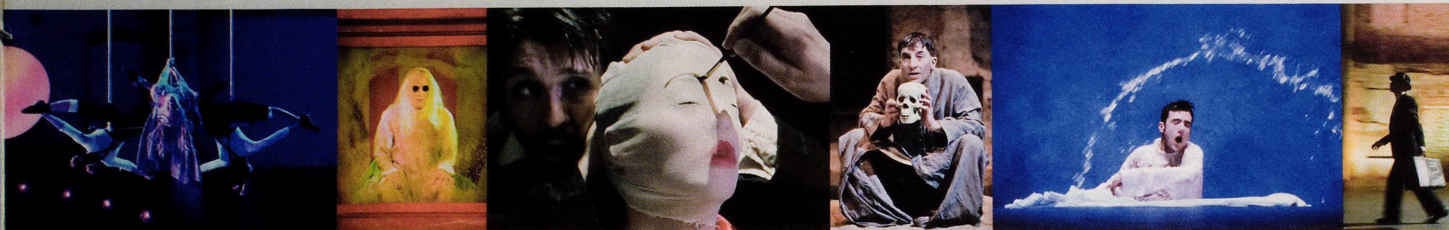
# Showcase on a Shoestring

An award-winning theater company in Minneapolis' warehouse district revamps its foyer, with help from extended family

BY CAMILLE LEFEVRE



## THEATRE DE LA JEUNE LUNE



### JEUNE LUNE 2005-2006 SEASON

#### ANTIGONE

by Sophocles  
A unique retelling of a powerful classic inspired by the ancient and filtered through a contemporary eye

#### THE LITTLE PRINCE

by Antoine de Saint-Exupéry  
In the hands of Jeune Lune, this beloved French fable yields unexpected philosophical riches

2005 Regional Theatre  
Tony Award



#### AMERIKA, OR THE DISAPPEARANCE

Another exciting collaboration between Jeune Lune and the American Repertory Theatre, after the novel by Franz Kafka

#### MEFISTOFEL

by Arrigo Boito  
Mefistofele offer to serve Faust in exchange for his electrifying performance in the Lune opera

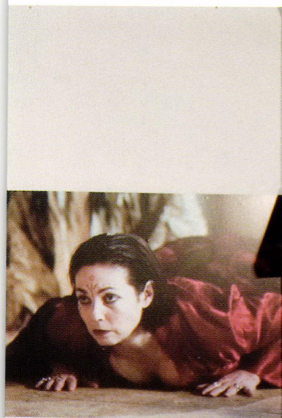


This spring, after winning a Tony Award—the theater world’s most prestigious accolade—the actors and staff of Theatre de la Jeune Lune looked at their lobby and groaned. Over the past 10 years, the long, narrow space “had become a grab bag of old set pieces,” says Steve Richardson, producing director. A run-down bar set from *The*

*Magic Flute* doubled as the lobby refreshment stand. An ad hoc dressing room for a former production, located near the front entrance, had never been dismantled. “It looked like a collection of stuff you’d find in a basement or attic, rather than a carefully thought-out lobby for a world-renowned theater company,” Richardson adds.

The Jeune Luners decided they needed a new lobby *tout de suite*, in time to launch their 2005 fall season. They wanted a “simpler and cleaner-looking” design, Richardson says, and a new cir-





## THE OLD MAN WHO READ LOVE STORIES

by Luis Sepulveda  
Jeune Lune creates a world of magical realism infused with the sights and sounds of Latin America

DON F. WONG

culcation pattern that would draw patrons away from the box office at the front entrance and toward the back of the cavernous space. The main challenge? Achieving these goals at very little cost. "It's part of the philosophy of the company that we put all of our money on the stage," Richardson explains.

Fortunately, Jeune Lune's marketing director, Jen Kreilich, is married to Matthew Kreilich, Assoc. AIA, a designer at Hammel, Green and Abrahamson, Minneapolis. Matthew happily took on the pro bono project with his colleague, designer Melisa Pezuk, Assoc. AIA. They began by ridding the 2,700-square-foot space—a former loading dock in the renovated warehouse—of old set pieces and detritus, fully exposing the room's rugged concrete beams, brick walls, terra-cotta-tiled columns, and asphalt floor.

Next, to emphasize the horizontality of the space, Kreilich and Pezuk established a strong linear theme with a series of custom-designed furniture pieces—a new ticketing station, benches, high tables, and a 30-foot-long bar—whose simple, modern designs the Jeune Lune set builders could easily construct. The two selected affordable birch-veneer plywood and mahogany-stained MDF (medium-density fiberboard) panels as the materials, which added warmth to the cool feel of the lobby's shell. To further reduce costs, they reused the existing chairs and legs of the low tables; new birch-veneer tabletops replace the old ones.

The linear arrangement of new furniture, in combination with a line of glass chandeliers terminating at a Jeune Lune logo projected on a shimmering black curtain, lures patrons toward the back of the lobby, thus alleviating congestion at the front. The lobby also features a new graphics board—a piece of drywall masking a door that leads to the stage—on which museum-style letter transfers promote the season, an adhesive strip of photographs encapsulates the theater's history, and a custom-designed box showcases Jeune Lune's prized 2005 Regional Theatre Tony Award.

"It was fun working with such simple construction on such a tight schedule and a limited budget," Kreilich says. "We couldn't get fussy,

except maybe with the chandeliers, which add a note of French heritage to the space." Adds Richardson: "The main thing was that Matt was such an incredibly sympathetic listener. He took the constraints seriously, and came up with a great design that accomplished our goals."

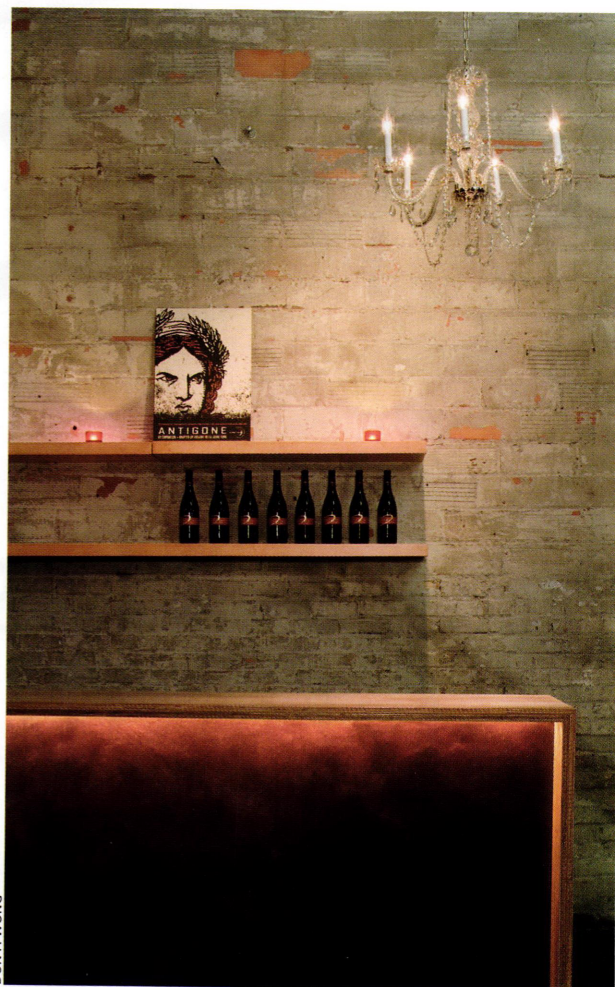
## Theatre de la Jeune Lune Lobby Renovation

Minneapolis, Minnesota

Matthew Kreilich, Assoc. AIA

Melisa Pezuk, Assoc. AIA

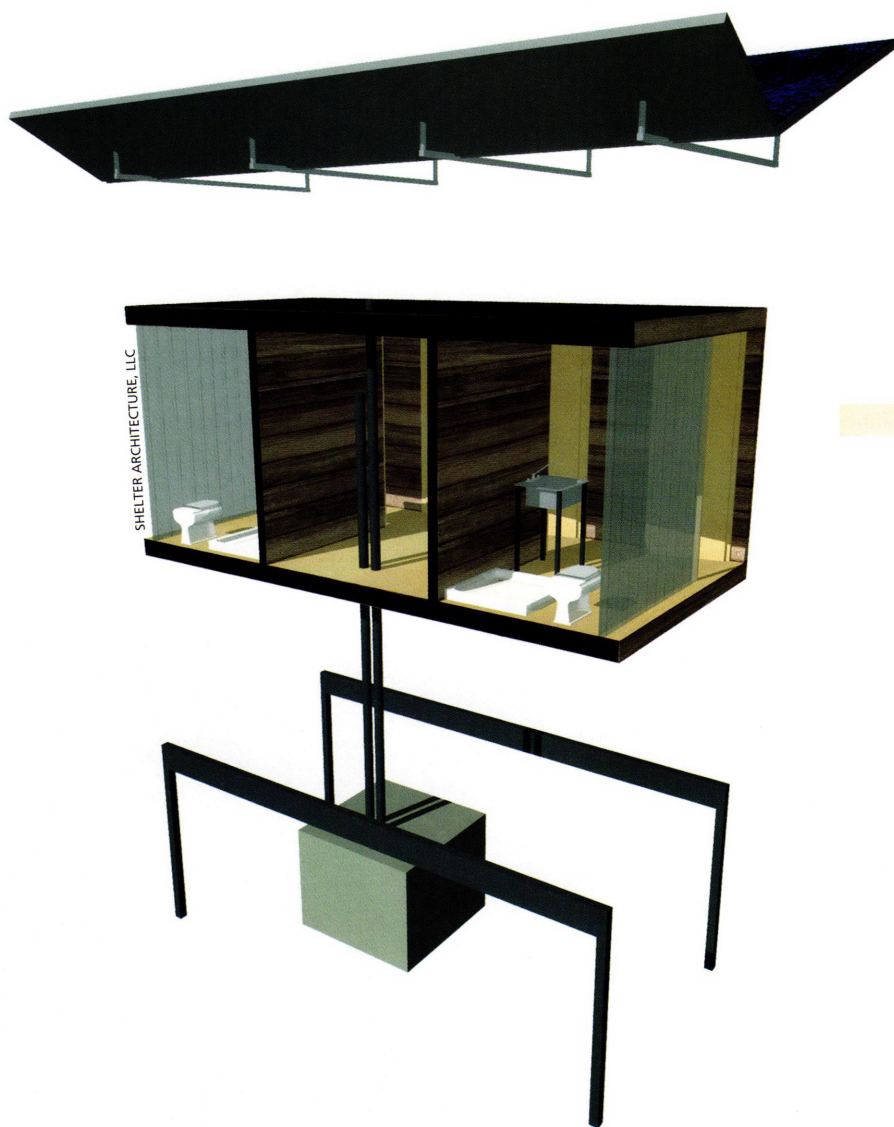
Minneapolis, Minnesota



DON F. WONG

Previous spread and above: Jeune Lune's set builders constructed the simple, elegant furniture—tabletops, shelves, benches, and the 30-foot-long bar—from birch-veneer plywood and MDF. Opposite: The new graphics board displays the company's Tony Award in a simple case, along with museum-style letter transfers highlighting the upcoming season.





# Inspired Infrastructure

Shelter Architecture's "Clean Hub"  
could aid tens of millions of people around the world  
who lack electricity and basic sanitation

BY THOMAS FISHER, ASSOC. AIA

The United Nations' Millennium Development Goals call for significantly improving the lives of at least 100 million of the world's two billion slum dwellers by 2020, with an emphasis on providing access to safe drinking water and sanitation. Those goals may seem beyond the ability of architects to achieve, but John Gavin Dwyer, AIA, doesn't think so. He and his Minneapolis firm, Shelter Architecture, have designed a self-contained structure able to supply electricity, clean water, and toilet and bathing facilities to the people who need them the most.

Called the "Clean Hub," the 10- by 20-foot unit has a V-shape metal roof that collects rainwater, an adjustable array of 16 photovoltaic panels able to generate up to 2,640 watts of electricity, a reverse-osmosis water system that cleans water stored in a below-ground reservoir, showers and sinks whose grey water gets recycled back to the reservoir, and waterless, self-composting toilets. The building itself has impact-resistant stress-skin walls and secure entry doors, supported by a steel-tube and concrete-pier foundation that can adjust to sloped terrain and poor soil. While the Clean Hub can serve temporary settlements such as refugee camps, its 30-year life makes it most suitable for the many semi-permanent slums around the world that lack basic infrastructure.

Cleverly and compactly designed, the Clean Hub has an equally compelling story behind it. Wanting to get involved with global human settlements, Dwyer studied the work of a num-



ber of other architects. "Most were doing housing," he says, "when the real need was for infrastructure." So he developed a utility box—Clean Hub—that lends itself to mass production and almost any site or climate. After getting input from the Minnesota chapter of Architecture for Humanity (see profile on page 20), Dwyer "sent 70 e-mails to various U.N. offices," he says, "and the one in Nairobi finally got back to me." The Nairobi office helped him connect with potential manufacturers, including General Electric, who worked with Dwyer to develop a business plan for the project. In the end, G.E. expressed an interest in manufacturing the Clean Hub, but not in financing or marketing it.

Dwyer doesn't seem deterred. "The World Bank spends \$15 billion a year on slum up-

grades," he notes, "and for only \$1 billion, we could build and deliver enough Clean Hubs to meet the U.N.'s Millennium Goal of improving 100 million lives." Shelter Architecture is pursuing several grants to raise the \$20,000 to \$30,000 needed to build and test a prototype. In the meantime, Dwyer's efforts continue to show what architects can do to make a difference in the world. "At first, the U.N. wondered why I was interested in the subject as an architect," he recalls. "Architects can be proactive at a global level and articulate the value of doing things better."

**Clean Hub**  
**Shelter Architecture**  
**Minneapolis, Minnesota**

*The Clean Hub, shown here on a possible site, has a roof that generates power and collects water, which is stored in an underground tank for the showers and toilets inside.*





# Barkitecture

Two local architecture firms design domiciles for man's best friend

BY CAMILLE LEFEVRE

As Fred Albert recounts in his book *Barkitecture* (1999), Marie Antoinette had a *niche à chien* at Versailles, while across the Channel the Earl Bishop of Derry commissioned a pair of canine residences in then-contemporary and ancient styles from architect Sir John Soane. Custom kennels and designer doghouses have dotted the grounds of the White House during the presidencies of Benjamin Harrison, Dwight D. Eisenhower, and Lyndon Johnson. In 1990, when the Cooper-Hewitt National Design Museum exhibited architect-designed doghouses in its garden, author Ralph Caplan made the following observation in the accompanying catalog: "Doghouses are not so much designed for dogs as for the owners of dogs."

Yet how could the new inhabitants of the doggie domiciles designed by Minneapolis firms UrbanWorks Architecture and DJR Architecture not enjoy their new houses? While the UrbanWorks doghouse is insulated to stay toasty warm in winter, the DJR doghouse includes a heavy fabric curtain to ward off the chill. Both roomy structures have clerestory windows to bring in light. Lending credence to Caplan's insight, both doghouses display the ingenuity, craft, and whimsy we often long for in our own houses, here artfully constructed in miniature.

"The [DJR] doghouse with the trellis fits in with the current residential trend for outdoor living, while the other is really an International Style doghouse," explains Susan Hanna-Bibus with a chuckle. As executive arts director of the

Hopkins Center for the Arts, Hanna-Bibus helped organize the event at which the architect-designed doghouses were raffled off. Proceeds benefited the arts center and its partner, the Greater West Metro Humane Society. "The raffle tickets were evenly divided between the two doghouses," she adds. "Both had a following in the crowd."

Titled "Pets and Picasso," the October 1 event was in part created to help the fine-arts center reach a new public—the architectural



RYAN STURTZ

JOSHUA JANSEN





community—while helping out a fellow non-profit organization. “This event allowed us to go into an area still within the purview of our organization, and meet new people and encounter new ideas,” Hanna-Bibus says. While the call for entries asked for pro bono pet-housing designs, both architecture firms designed doghouses.

DJR Architecture began by holding a design charrette in the office, recalls principal Scott England, AIA. A sample skylight panel became a translucent clerestory window. The team constructed the doghouse out of cedar “because of [cedar’s] long-term rot resistance, and because it’s a beautiful wood,” England explains. The doghouse also includes a sunning platform and built-in food and water bowls. “It was a fun experience,” England says, “and we saw it as a team-building exercise.”

For UrbanWorks, the project was “a way to do something fun and flex our design muscle in

ways that didn’t have to pertain to codes,” laughs principal David Stahl, Assoc. AIA. The modern doghouse features exterior siding of oak flooring from The Home Depot. The slanted stainless-steel roof tilts up on hinges for easy cleaning of the interior. A white bisecting wall of cement board “represents an abstract version of the chimney or hearth down the center of the structure,” Stahl says. Clerestory windows across the front and a vertical bank of windows at the back of the doghouse allow the resident to maintain a vigilant lookout. “I really like how, even to casual passersby, these doghouses were clearly not made from a kit,” Stahl enthuses.

#### **“Pets and Picasso” Doghouses**

**DJR Architecture**

**Minneapolis, Minnesota**

**UrbanWorks Architecture**

**Minneapolis, Minnesota**

*Dogs deserve architect-designed homes too: UrbanWorks Architecture’s modernist doghouse (above) with steel roof and white bisecting wall conjures images of a toasty warm fireplace, while DJR Architecture conceived a garden-room shelter with trellis (opposite) for its entry in the charitable auction.*



# Arrested Development





# Can Ralph Rapson's progressive vision for America's first "New Town-In Town" be recovered in the beleaguered Cedar Square West?

BY NANCY A. MILLER

In

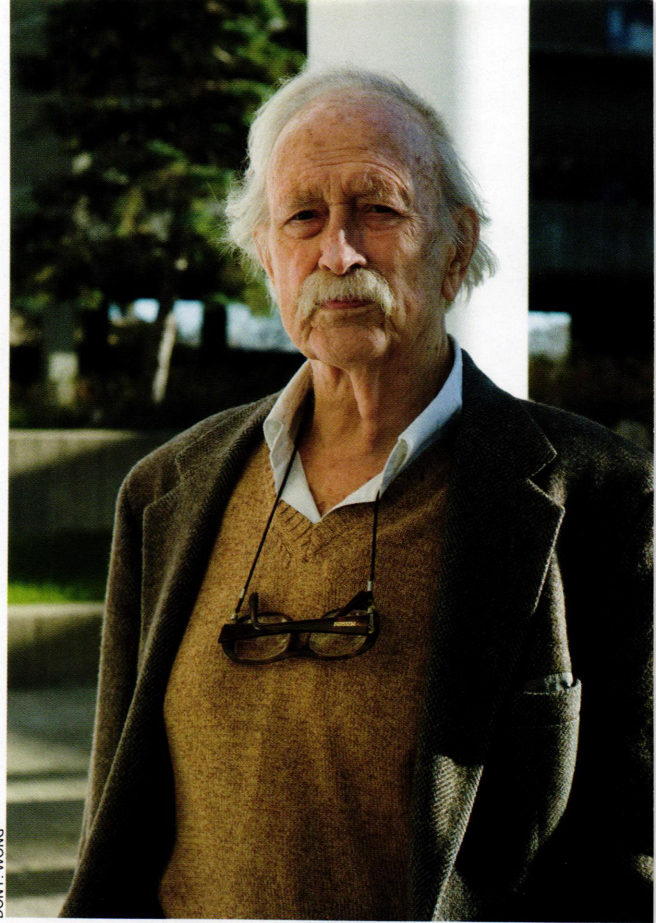
DON F. WONG

*Opposite: When Cedar Square West—now called Riverside Plaza—opened in 1973, Minneapolis was a city in transition, bigger than a small city but not yet the major metropolitan center it is today. Above: Ralph Rapson, FAIA, architect of Cedar Square West, educated the developers, encouraged them to think big, and fought for a socially and economically diverse community.*

1962, Gloria and Martin Segal acquired a parcel of land at the corner of 10th and University avenues SE, in Minneapolis, near the University of Minnesota's east bank campus. They were novice investors who purchased the land as a tax shelter, with plans for redevelopment, on the advice of their business associate, Keith Heller. Within a few years, however, that small investment ballooned into an audacious plan to transform the whole of the west bank neighborhood of Cedar-Riverside, from an aging student and counterculture ghetto with a crumbling housing stock into a modern, socially progressive, high-density residential, commercial, and institutional community. Out of that plan emerged Minneapolis' most notorious, controversial, and often misunderstood housing development, Cedar Square West—now called Riverside Plaza. The primary author of that plan was Minnesota's adopted master of modernism, Ralph Rapson, FAIA.



RALPH RAPSON & ASSOCIATES







*Above: Cedar Square West was the first phase of an ambitious plan to transform the aging and dilapidated Cedar-Riverside neighborhood into a modern, socially progressive, high-density residential, commercial, and institutional community. Opposite: The 100-acre Cedar-Riverside New Town-In Town plan proposed five high-density residential developments linked to a mixed-use commercial district along Cedar Avenue, called the "Centrum." Cedar Square West is in the upper left-hand corner of this model of the development proposal.*


Rapson arrived in Minneapolis in 1954 to head the University of Minnesota's School of Architecture, a program that many considered adrift, and to bring progressive modernism to the Upper Midwest. Not only did Rapson redefine architectural education in Minnesota, he reshaped the local architectural landscape with his designs for landmark buildings including the Guthrie Theater, St. Peter Lutheran Church in Edina, and Rarig Hall on the University of Minnesota campus. Following the demolition of the Rapson-designed Pillsbury House on Lake Minnetonka in 1997, and with the lights of the Guthrie Theater about to dim, Cedar Square West will soon stand as Ralph Rapson's most visible built legacy in Minnesota.

### **Opportunity Knocks in Cedar-Riverside**

The vision for the development that became Cedar Square West emerged when Gloria Segal and Keith Heller consulted Ralph Rapson with their development plans for the land at 10th and University. They envisioned a three-story walk-up apartment building to replace the existing buildings—which had been condemned by the city—and wanted Rapson's input and design assistance. In the meantime, Segal and Heller continued to make small-scale real estate purchases, concentrating on the Cedar-Riverside neighborhood, across the river.

Cedar-Riverside was in transition in the early 1960s, especially after the University of Minnesota expanded into the area with the construction of its west bank campus. Other resident institutions





In the eager Segal-Heller team and the crumbling Cedar-Riverside neighborhood Ralph Rapson saw an opportunity to build something much grander than a few low-rise apartment buildings.

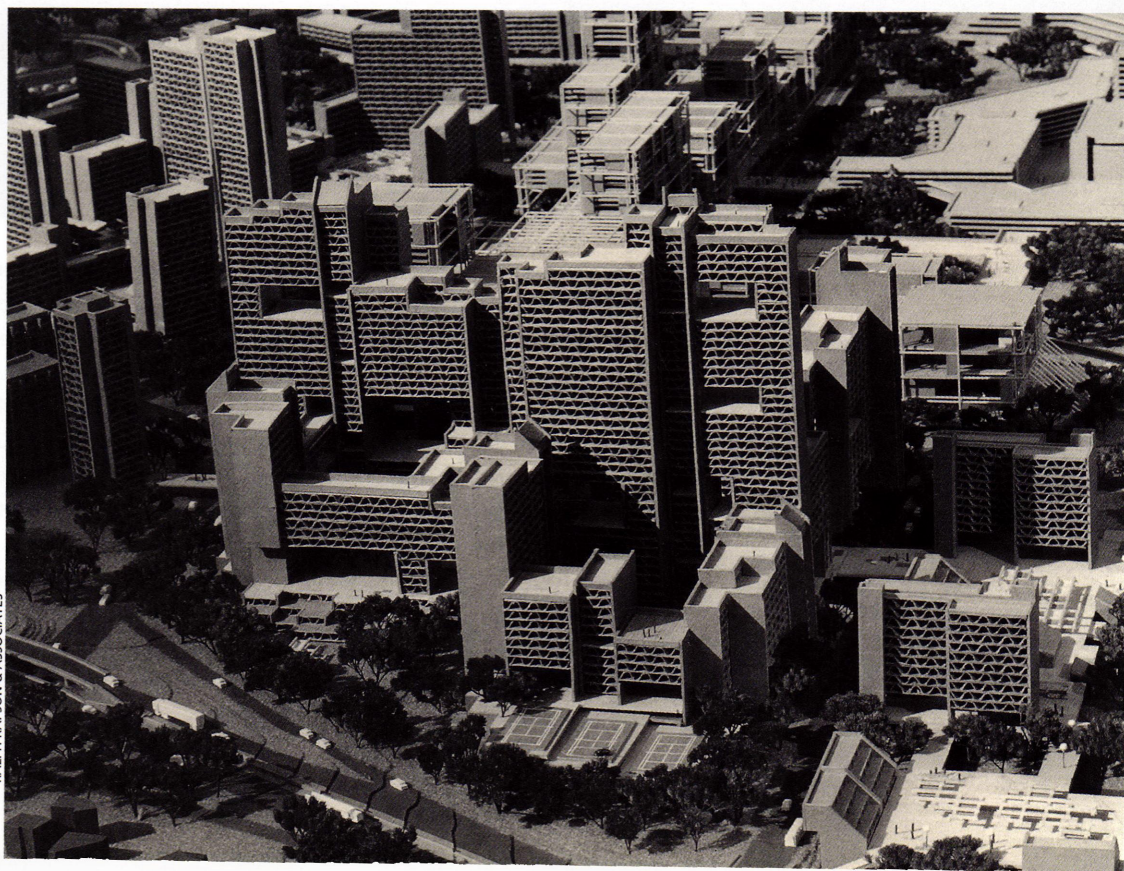
such as St. Mary's and Fairview hospitals and Augsburg College were expanding as well. At the same time, the City of Minneapolis was interested in and supported plans for redeveloping housing in the area.

Cedar-Riverside, lying east of I-35W, west and south of the Mississippi River as it winds through the city, and north of I-94, had long been an immigrant and working-class neighborhood. Although it provided affordable living for older residents and students, the neighborhood's housing stock was targeted as dilapidated and in need of significant repair as early as the 1930s. By the 1960s, it was almost universally considered derelict.

In the eager Segal-Heller team and the crumbling Cedar-Riverside neighborhood Ralph Rapson saw an opportunity to build something much grander than a few low-rise apartment buildings. Rapson envisioned a complete new community. He suggested to Segal and Heller that their modest plans would have little impact, urging, "You need to make a bigger splash." He then took on the role of teacher, leading the team on an educational tour of the United States and Europe. "We learned by going to all these places what possibilities there were for new housing," he recalls.

Plans for Cedar-Riverside simmered for the remainder of the 1960s, as the Segals, Heller, and others continued to acquire land and government officials considered large-scale redevelopment of the neighborhood. During that time, residents of Cedar-Riverside, awash in the counterculture movement and aghast at the scale of the redevelopment plans being discussed, organized in opposition to the proposed projects. Community opposition would ultimately limit large-scale redevelopment in the Cedar-Riverside neighborhood to the Cedar Square West complex, as it stands today.

However, in the plans that emerged in 1969, Cedar Square West was to be the first of a multi-phase project by the Segal-Heller team, which formed the development group Cedar-Riverside Associates (CRA). CRA's proposed 100-acre development included five large-scale, high-density housing projects linked to the proposed commercial redevelopment of Cedar Avenue, referred to as the "Centrum."





The design concept was to create diversity within a unified complex. “We wanted variety, richness, contrast—a lot of continuity but a lot of richness,” says Rapson.



*Above: Cedar Square West occupies prime land in the growing metropolitan area. It is within walking distance of downtown Minneapolis and the University of Minnesota, linked to two major urban freeways, and connected to the Hiawatha light-rail line via the Cedar-Riverside station. Opposite: The modern, open plans of the Cedar Square West apartments remain attractive today, and many of the units offer stunning views of downtown, the river, and the surrounding urban landscape.*

The concept had reached full bloom in 1968, when Cedar-Riverside and Segal and Heller attracted the attention of Minnesota state senator Henry McKnight. McKnight was just then undertaking the development of the suburban “New Town” of Jonathan, a self-contained, socially and environmentally progressive community on 5,000 acres of land in what is now the City of Chaska. In the Cedar-Riverside neighborhood and in Segal and Heller’s plans, McKnight saw potential for federal support under the Title IV New Community legislation, which Congress had recently passed into law. Armed with McKnight’s political savvy and Rapson’s architectural vision, CRA applied to the federal department of Housing and Urban Development (HUD) for support of the Cedar-Riverside redevelopment through the New Town legislation.

There were no precedents for the design of the Cedar-Riverside New Town, according to Rapson—at least not in the United States. The only similar projects were in Europe. Rapson, Segal, and Heller toured the Finnish New Town of Tapiola, designed by Heikki von Hertzen, who later joined the Cedar-Riverside redevelopment team as a consultant. But Tapiola was smaller in scale than what Rapson had in mind for Cedar-Riverside.





DON F. WONG

RALPH RAPSON & ASSOCIATES



## Pressure for Change in a Growing City

To fully appreciate the scale of the Cedar-Riverside proposal, one must recall that the city's tallest building in 1969 was the 32-story Foshay Tower, which had opened 40 years earlier. The 51-story IDS tower was not yet under construction.

Minneapolis experienced an awkward adolescence in the late 1960s. It was no longer a small city, but neither was it the center of the large metropolitan region it would become. "It's almost impossible now to explain to people what the City of Minneapolis . . . faced in the 1960s," notes University of Minnesota urban studies professor Judith Martin. The loss of population to the expanding suburbs and General Mills' announcement in 1957 that it was moving to Golden Valley had dealt the city's confidence and economic future a significant blow. Martin wrote in an analysis of Cedar Square West in 1977 that, by the 1960s, "[Cedar-Riverside] had become an area in which something simply had to happen because the pressure for change was so great."

Bucking the trend of backing only suburban New Towns, HUD approved the proposal in 1971 and Cedar-Riverside was designated America's first "New Town-In Town." Construction of the first phase of the development, Cedar Square West, began later that year. The 11 buildings in the complex range in height from four stories to the 40-story McKnight Tower and contain 1,300 apartments, including flats and two-story townhouses in a variety of plans. The design concept was to create diversity within a unified complex. "We wanted variety, richness, contrast—a lot of continuity but a lot of richness," says Rapson.

To create that richness, the architect conceived a distinctive clustering of buildings with a comprehensive pedestrian network. A raised plaza over a parking garage at the center of the complex provides open space that was originally enhanced with a pool, a fountain, and a children's play area. Community and commercial spaces on the first floor of several of the buildings ringed the plaza.

This formal diversity, Rapson hoped, would foster an economically and socially diverse community. He designed Cedar Square West to have a range of apartments, from subsidized to market-rate, for students, single people, families, and the elderly. Rapson was

*Continued on page 54*





DON F. WONG

The new St. Paul Conservatory  
for Performing Artists  
celebrates the virtues  
of an urban arts education

BY CHRISTOPHER HUDSON



DON F. WONG

# Not the Same Old Song





*Location, location, location: The St. Paul Conservatory for Performing Artists enjoys an enviable perch atop Landmark Center (opposite). The school's signature space is a folding, cork-lined performance/study area (above).*

# and Dance





DON F. WONG

*Above: Conservatory students working in a small group in a deep window well. Opposite: Light from a skylit interior courtyard reaches glass-lined classrooms.*

For the first time since I graduated from high school, I want to go back. Not to my alma mater, mind you. I'd like to enroll in the St. Paul Conservatory for Performing Artists, a brand new tuition-free charter school in the heart of downtown St. Paul. Championed by outgoing St. Paul mayor Randy Kelly and his wife Kathy and sponsored by the Ordway Center for the Performing Arts, the school is like none other in the Midwest and possibly the country.

For starters, each morning the students walk into a castle—the century-old Landmark Center, a grand historic building elegantly restored in 1978 by Winsor/Faricy Architects (now Collaborative Design Group) to serve as an arts center and special-events facility. The school has taken over the Landmark Center's fifth-floor garret, which formerly housed the Minnesota Museum of American Art. It's here, in a light-filled 15,000-square-foot space renovated by the Minneapolis

office of Perkins+Will, that 150 students take traditional academic classes.

After lunch, it gets even better. Math and English behind them, the young artists head out across Rice Park for three and a half hours of technical instruction in theater and dance at the Ordway Center and Roy Wilkins Auditorium, respectively. To get the theater program rolling in the Conservatory's inaugural year, the Ordway has generously made the Drake Room—a backstage rehearsal facility with the same dimensions as the Ordway main stage—available for classes. (When the Drake Room is in use, classes are moved to the McKnight Theater stage.) At Roy Wilkins, students leap, pirouette, and tap in state-of-the-art dance studios.

The whole package—chateau, world-class performing-arts facilities, and invigorating urban campus—makes for an incredibly rich educational experience. Not even the most forward-think-



ing and well-funded traditional schools can recreate what the Conservatory has to offer. "When I was first involved in this project," recalls Ordway president David Galligan, "I thought the best thing to do would be to build an addition on the Ordway that would be dedicated space for the school, but we didn't have the time or the money for that. So we ended up with this campus system. Well, in fact, the campus is its own calling card, its own attraction."

Thanks to visionary planning and the generosity and enthusiasm of the school's partners—the Ordway, River Centre, and St. Paul Central Library—the Conservatory is off to a great start. Executive director Terry Tofte, a former Northfield school superintendent, is more than pleased. "I thought there would be significant challenges working with separate sites and two different faculties—our academic staff that teaches in the morning and our arts staff that works in the afternoon," he notes. "Those were my primary concerns going in—how do you manage things under those circumstances? But it's all worked out extraordinarily well."

The deciding factor in the school's early success, however, undoubtedly has been the students, a diverse and unusually mature and focused lot of teenagers. Arriving each morning from across the metropolitan area and beyond—many using Metro Transit bus passes supplied by the school—the students have bonded over their common aspirations and express their appreciation for the unique educational opportunity giv-

"The ambience up here is quite—I don't know how to describe it," says Tofte.

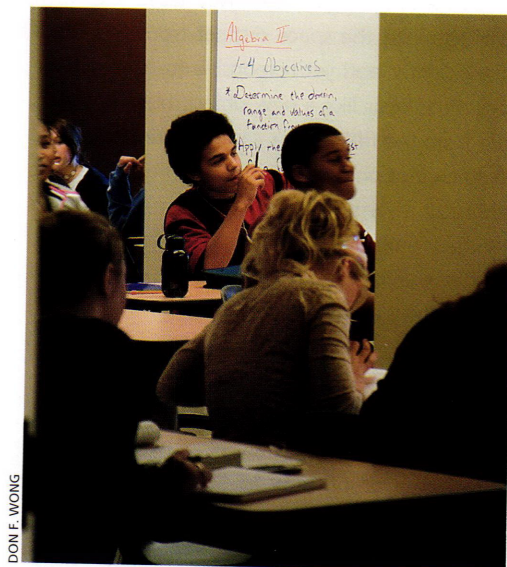
"It's elevating and soothing at the same time, with all the open glass of the atrium. Each classroom space is unique. It feels like something very different from a public high school."

en them. "It's a very accepting group of young people," observes Tofte. "Kids who come in are immediately accepted and supported, and become a part of the group. The Conservatory has more of a community feel to it than any other place I've ever been."

### Light and Transparency

When the Perkins+Will designers first toured the fifth floor of the Landmark Center, they encountered a lifeless space cluttered with old museum catalogs, art supplies, and even a kiln and potters' wheels (the previous occupant had used the fifth floor for art classes). By the time their work was done, the space had been transformed into a richly colored environment flooded with natural light.

The defining feature of the Landmark Center's fifth and sixth floors is a cortile (skylit interi-



DON F. WONG



DON F. WONG





DON F. WONG

or courtyard), around which the classrooms and offices are organized. The main circulation corridor lining the rectangular atrium and all of the classrooms receive ample light from the atrium and exterior punched windows, respectively. The only darkened space was a section of corridor at the north end of the building, where light from the cortile doesn't reach. To reverse this condition, the design team specified glass walls for the classrooms in this area, to bring light from exterior classroom windows into the corridor.

The prevalence of glass serves a second purpose: it creates visual connections in a small, tight-knit school community. Notes project architect Paul Neuhaus, AIA: "One of the early ideas that the director championed and that we embraced was that the Conservatory wasn't going to be a typical high school where everything is compartmentalized to remove as many distractions as possible. This school is different. Students have chosen to be here and want to learn."

The classrooms and offices are also distinguished by leaning perimeter walls created by the Landmark Center's steeply pitched roof.

Perkins+Will highlighted this geometry by painting the walls a strong persimmon color, which also harmonized with the historic colors used in the lower four floors of the building. Sky blue is used as an accent in the hallway lining the cortile. "The ambience up here is quite—I don't know how to describe it," says Tofte. "It's elevating and soothing at the same time, with all the open glass of the atrium. Each classroom space is unique. It feels like something very different from a public high school."

The signature design element, however, is the faceted, cork-lined performance space/study area (see photo on pages 44–45) at the north end of the cortile. "We began to think of the central space as a stage, a place that would serve as home base and reinforce the students' identity as performing artists," says Neuhaus. "Our idea was to make the space distinct from the Landmark Center and yet responsive to it. The stage looks and feels like a new object, but it takes its cue from the fifth floor's canted perimeter walls. Its shape not only defines the communal space, it redirects attention back to the cortile." When Neuhaus visited the school early in the fall term, he discovered, to his delight, that students had posted flyers and artwork on the cork wall.

*"In the coming years, we're going to be able to develop joint programming that takes advantage of the number and quality of artists who come to the Ordway," says Ordway president David Galligan.*

### **Bigger Things to Come**

You might think the Conservatory's administration and board of directors, having recently launched a brand new school for which there was no model, would be satisfied to focus on operational refinements over the next few years.





DON F. WONG

*Students receive technical instruction in dance and theater at Roy Wilkins Auditorium dance studios (opposite) and the Ordway's backstage rehearsal facility (above), respectively.*

But school officials are currently working with the neighboring Science Museum, St. Paul Chamber Orchestra (instrumental music), and Rose Ensemble (vocal music) to expand the Conservatory's educational offerings for fall 2006. Nor has the school's partnership with the Ordway reached its full potential. "I would describe [the Conservatory-Ordway partnership] as a match made in heaven, even today," Galligan enthuses. "But in the coming years, we're going to be able to develop joint programming that takes advantage of the number and quality of artists who come to the Ordway. And the kids, of course, are dying to be connected with those professional artists, to be inspired by them—by their work and by them personally."

There are, of course, ongoing challenges. The lengthy 8:00 A.M. to 4:30 P.M. school day—necessary to deliver both academic and technical instruction—has been an adjustment for some parents. "The parents are getting used to this high-intensity experience for their kids,"

says Galligan. "It's hard to support a performing-artist-in-the-making. The students are making choices or thinking about making choices that will set their lives on a certain course, and parents struggle with that, which comes alive in conversations with faculty members and the administration. But the energy in the school is just electric. You can feel it in the air."

That excitement may spread. With continued success and growth, the Conservatory will no doubt attract the attention of cities with a concentration of top-flight performing-arts centers. In the meantime, school administrators will get ample feedback from the young artists in their charge. "The students are very expressive and outspoken," says Tofte, with a smile. "As a group, they're extraverted and tend to tell us exactly what they think."

*To learn more about the St. Paul Conservatory for Performing Artists, visit the school's website at [www.spcpa.org](http://www.spcpa.org)*





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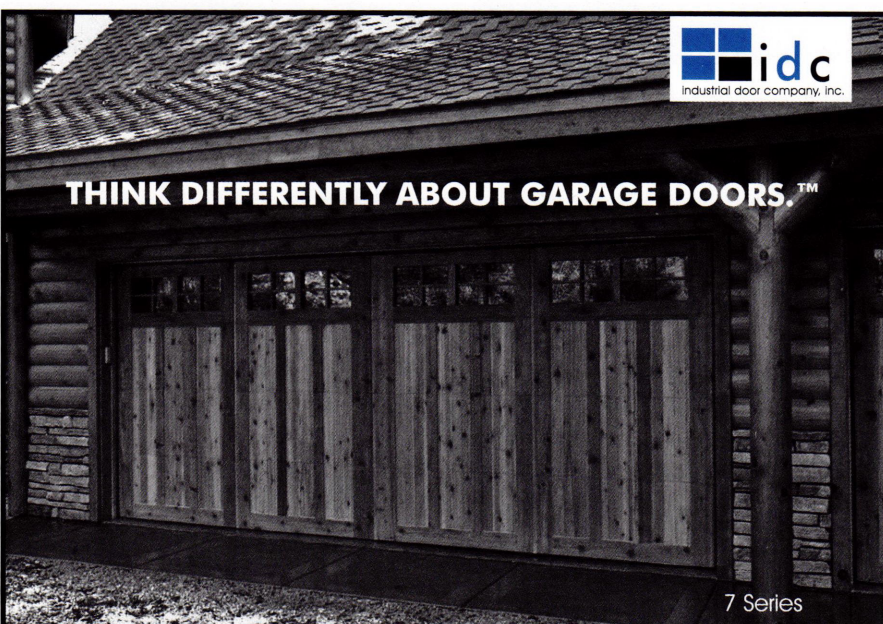
Continued from page 15

altered with subsequent additions and re-modeling is instrumental in planning for most rehab and restoration projects.

Can the work involved in a preservation plan be performed pro bono? "It depends on the nature of the project—its size, the estimated number of hours that professionals will spend on preparing the plan, and whether the work can be spread around to several people," says Claybaugh. "The important element in this kind of work is developing a plan of action and determining the level of detail appropriate for the preservation plan."

Architecture firms that are able to absorb pro bono work find that volunteer preservation endeavors add to their experience base. Pro bono preservation work also offers young architects and designers a prime opportunity to get their hands into challenging and rewarding projects. When established professionals are guiding the work, the experience for young designers is further enriched.

"For young professionals, getting into the mix of things is imperative," says Phillip Waugh, an historic preservationist with Collaborative Design Group, Minneapolis. Waugh found his way into architectural work through internships that put him in positions of responsibility on several preservation-related projects. The experiences taught him that pro bono work requires the same level of quality and productivity as does work done for pay. "I learned a lot," Waugh remarks. "But more important, I got my foot in the door." ♦



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## practice

Continued from page 17

later, the MHS spawned a hygiene laboratory charged with identifying exotic diseases carried into the country by foreign travelers. This laboratory grew to become the National Institutes of Health. Over time, public health has garnered widespread public support by working with government agencies and nonprofit organizations willing to take on threats too broad in scope for the private sector to handle.

Continued on page 53





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## practice

Continued from page 50

Architects, of course, do a lot of public and nonprofit work, but these projects usually comprise individual buildings or complexes, which are far smaller in scale than the problems that public-health physicians aim to remedy. As a result, architects often lack a clear way of addressing the large-scale threats to public health that can occur in the built environment. The opportunity to rectify this, however, lies right in front of us. With the flooding of New Orleans, the devastation of broad swaths of coastline along the Gulf of Mexico and the Indian Ocean, and the leveling of millions of homes in northern Pakistan, we have entered a new era: one of catastrophes almost beyond imagination. Nor will these natural disasters soon end. Environmental scientist Norman Myers of Oxford University predicts that, in the coming decades, "there could be as many as 200 million people overtaken by disruptions of monsoon systems and other rainfall regimes, by droughts of unprecedented severity and duration, and by sea-level rise and coastal flooding."

This is a public-health crisis with enormous architectural implications. Where will these people live? How should we rebuild? Who will lead in this effort? Architects are well equipped to answer these important questions, but we cannot address the needs one family at a time, as Richard Farson observed. Instead, we need to develop a public-health model of practice, with some percentage of the profession prepared to work in the nonprofit, corporate, and governmental sectors, focused not only on the needs of environmental refugees but also on those of the more than one billion people worldwide living without adequate shelter, in unsafe neighborhoods.

We might begin by joining with the public health and emergency management organizations that already exist, demonstrating our value in designing structures and in assembling and leading complex teams. Over time, we should help create institutions and agencies that address the needs of the world's homeless. Whatever we call these organizations—the Institute for International Shelter, the Agency for Global Refugees—their time has come. ❖

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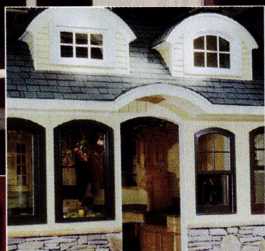
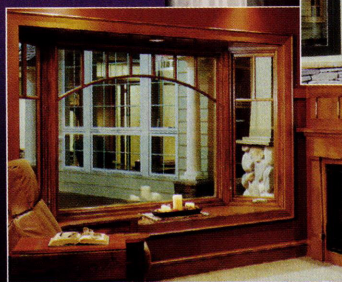


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## arrested development

*Continued from page 43*

adamant that the subsidized and market-rate units be mixed in the same buildings, but this idea met with strong resistance from HUD.

Rapson describes the scene at one contentious meeting between the developers and HUD officials, including then-HUD secretary George Romney: "I remember Romney leaning over and saying rather quietly, 'Mr. Rapson, forget it. You cannot put all of these buildings into one. They cannot be mixed.'" There were many such meetings. "On one or two occasions," Rapson continues, "I slammed my hand down on the table and said, 'This is the way it has to be,'" with respect to the mixture of apartments. In the end, the power of the federal government won out and the units were economically segregated by building.

The federal government's concerns about individual expression also shaped

the formal aesthetic of the complex. Rapson envisioned unadorned panels on the exteriors of the buildings that could be painted or otherwise decorated by residents. However, according to Judith Martin, in her book on the Cedar-Riverside project, *Recycling the Central City: The Development of a New Town-In Town* (1977), "FHA officials feared that the building exteriors would quickly sprout obscenities and antiwar slogans." A façade pattern of panels painted in white and primary colors was the compromise agreed upon by the government and the developers.

## The Battle for Cedar Square West

While Rapson fought to limit the government's influence on the design of Cedar Square West, Cedar-Riverside residents organized to kill the project. Protesters filed lawsuits, including challenges to the adequacy of the project's Environmental Impact Statements. Although the legal maneuvers did not succeed in stopping com-

pletion of Cedar Square West, they did succeed in blocking any further development of the Cedar-Riverside New Town-In Town.

The protesters enjoyed even greater success in the realm of public relations. As Cedar Square West went up, it was continually in the news, associated with lawsuits, financial difficulties, and angry protests. By the time tenants first occupied apartments in the spring of 1973, the project was burdened with an albatross of bad news.

Surveys taken during the first year of occupation showed high levels of resident satisfaction, according to Judith Martin, but the bad-news albatross was never completely cut free from the project. In 1974, residents of the older CRA-owned housing in Cedar-Riverside staged a rent strike that financially crippled the management of Cedar Square West. That same year, notes Martin, "a HUD report labeled the Cedar-Riverside project 'clearly not viable.'"

*Continued on page 56*



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## arrested development

*Continued from page 54*

Meanwhile, the local architectural establishment honored Ralph Rapson and Cedar Square West with an AIA Minnesota Honor Award. (In 2005, AIA Minnesota bestowed its prestigious 25-Year Award on the complex.)

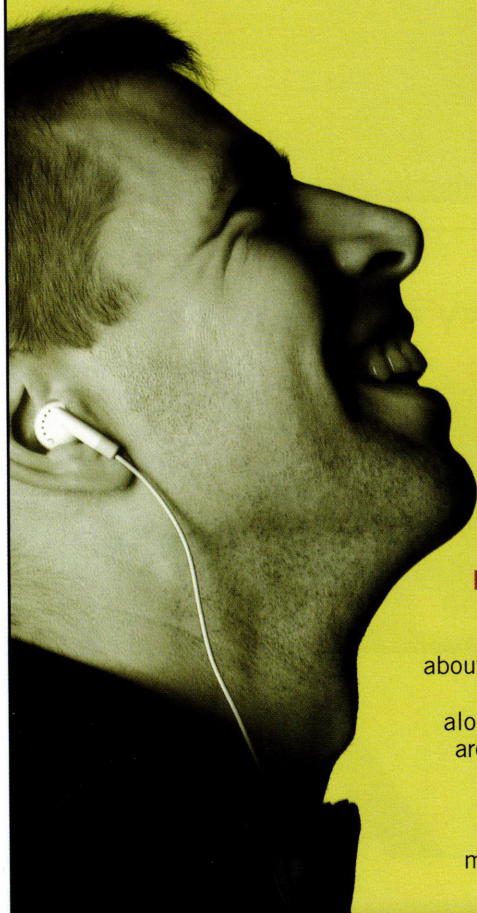
Architectural accolades aside, Cedar Square West continued to struggle financially and, in 1984, Keith Heller was ousted as manager. One year later, the development went into receivership and in 1986 HUD foreclosed. The City of Minneapolis purchased the complex in 1987 to prevent purchase by an out-of-state, absentee landlord, then worked with local developers and community groups—including representatives of the groups that had fought the project—to assemble a local consortium to purchase Cedar Square West. In late 1988, the project was sold for \$15 million and renamed Riverside Plaza.

Today, with a large immigrant population—50 percent of whom live below the poverty level—and a median household income of \$10,503 (compared with a median household income of \$37,974 for all of Minneapolis), Cedar Square West has strayed from Rapson's vision for economic and social diversity. However, the project was neither a complete success nor a complete failure. Its faults, one can argue, were shaped by outside forces, and are not inherent to the architecture. As mixed-income, mixed-use projects are developed across the Twin Cities, one wonders if Cedar Square West doesn't deserve another chance.

The buildings remain, structurally sound but in need of maintenance. The apartments have open, modern plans—many also offer fantastic views of the city—and the community enjoys its own light-rail station. Could Cedar Square West become the vibrant, socially and economically mixed community originally envisioned by Ralph Rapson and CRA? Ambitious housing projects such as the Upper Landing in St. Paul and Heritage Park in Minneapolis suggest that we are now ready to accept, even embrace, developments that combine market-rate and subsidized urban housing to serve an increasingly diverse population. ♦



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E-mail: ddahlman@bkvgroup.com  
www.bkvgroup.com  
Established 1978  
Contact: Dan Dahlman, PE,  
612/373-9522

—  
Daniel Dahlman PE  
Jeff Piehl PE  
Stephen Hearn PE  
Jane Lundberg PE  
Mark Fynboh PE  
Kurt Wintheiser PE

—  
Firm Personnel by Discipline  
Structural Engineers 6  
Mechanical Engineers 7  
Electrical Engineers 4  
Architects 34  
Other Professional 11  
Technical 4  
Administrative 7  
Total 73

—  
BKV Group offers structural, mechanical, electrical engineering utilizing technology integral with environmental issues to bring clients into a productive, efficient future they can control and enjoy. With over 25 years of governmental, corporate, commercial, academic and religious facility experience, BKV Group has engineered new construction, additions and renovations.

—  
Edina City Hall and Police Facility, Edina, MN; Freeborn County Justice Center, Albert Lea, MN; Minnesota West Community and Technical College, Worthington, MN Xcel Corporate Headquarters, Minneapolis, MN; Shakopee Public Utilities, Shakopee, MN; Shakopee Police Facility, Shakopee, MN

# **BONESTROO, ROSENE, ANDERLIK & ASSOCIATES, INC.**

2335 West Highway 36  
St. Paul, MN 55113  
Tel: 651/636-4600  
Fax: 651/636-1311  
E-mail: info@bonestroo.com  
www.bonestroo.com  
Established 1956  
Other Offices: Rochester and St. Cloud, MN; Hudson and Milwaukee, WI; Chicago, IL  
Contact: Amy Stresheim, Mktg. Mgr., 651/604-4862

—  
Mike Rautinann PE  
Tom Syfko PE  
Dan Edgerton PE  
Tom Madigan PE  
Pete Wagenaar RLS

—  
Firm Personnel by Discipline  
Civil Engineers 132  
Structural Engineers 9  
Electrical Engineers 3  
Transportation Engineers 13  
Architects 8  
Other Professional 47  
Technical 134  
Administrative 84  
Total Staff 430

—  
Municipal specialists, Bonestroo's engineers, architects, landscape architects, natural resource scientists, GIS specialists, and construction managers provide expert services in traffic and transportation, wastewater and water treatment, buildings, recreation, surface water management, and water and soil contamination projects. Specialty services include ice arenas, swimming pools, parks and playgrounds, golf courses, bridges, trails and streetscapes, and transit planning

—  
Hudson Road reconstruction and stormwater management for Woodbury Lakes retail development, Woodbury, MN; Structural stabilization of James J. Hill Office Building prior to conversion to Great Northern Lofts, St. Paul, MN; University of Minnesota Landscape Arboretum, design-build site infrastructure improvements and parking lot, Chanhassen, MN; Construction site run-off management program for DR Horton, developer, corporate program in use at multiple locations; METO (Minnesota Extended Treatment Options Center) dormitory demolition, site restoration and parking lot construction, Cambridge, MN; IBM campus site improvements, Rochester, MN

# **BRAUN INTERTEC CORPORATION**

11001 Hampshire Avenue South  
Minneapolis, MN 55438  
Tel: 952/995-2000  
Fax: 952/995-2020  
www.braunintertec.com  
Established 1957  
Other Offices: St. Paul, St. Cloud, Lakeville, Rochester, Hibbing and Albertville, MN; Fargo and Bismarck, ND; La Crosse, WI  
Contact: Kay Bergstrom, 952/995-2076

—  
George D. Kluempke PE  
Robert J. Janssen PE  
Charles R. Brenner PE  
Jon A. Carlson PG  
Michael M. Heuer PE  
Steven J. Flaten AIA

—  
Firm Personnel by Discipline  
Civil Engineers 96  
Environmental, Geological, Soils, Hazardous Waste, Engineering Technology 89  
Architect 1  
Other Professional 155  
Administrative 54  
Total 395

—  
Serving as an engineering, consulting and testing firm providing solutions for property development, redevelopment, facilities management and infrastructure-related issues. Provides services during each stage of development from the pre-project geo-technical and environmental evaluations through materials evaluation during construction and property management issues. Provides services nationally and internationally.

—  
Van White Memorial Bridge, Minneapolis, MN; West Side Flats, St. Paul, MN; IKEA, Bloomington, MN; Hiawatha Light Rail Transit, Minneapolis, MN; I-494/Cedar Avenue Highway Project, Bloomington, MN; Guthrie Theater Expansion, Minneapolis, MN

# **CAIN OUSE ASSOCIATES, INC.**

1310 East Highway 96  
White Bear Lake, MN 55110  
Tel: 651/426-9549  
Fax: 651/426-5048  
Email: jcain@cainouse.com  
www.cainouse.com  
Established 1983  
Contact: Jay J. Cain, PE,  
651/426-9549

—  
Jay J. Cain PE  
Wallace M. Ouse PE  
Scott D. Thomas PE

—  
Firm Personnel by Discipline  
Mechanical Engineers 3  
Electrical Engineers 2  
Technical 4  
Administrative 2  
Total 11

—  
Mechanical and electrical engineering for nearly all types of facilities and infra-structure. Common project types include churches, schools, public works, health care, entertainment, retail, and all levels of housing. Technical specialties include interior and exterior lighting, ground source heat pumps and public works specialties.

—  
Croixdale Home, Bayport, MN; City Public Works Facility, Bloomington, MN; New High School, River Falls, WI; St. Anthony Mills apartments, Minneapolis, MN; Ethan Allen Home Interiors, Woodbury, MN; St. John's Lutheran Church, Lakeville, MN



■ **CLARK ENGINEERING CORP.**

621 Lilac Drive North  
Minneapolis, MN 55422  
Tel: 763/545-9196  
Fax: 763/541-0056  
Email: pbreher@clark-eng.com  
www.clark-eng.com  
Established: 1938  
Other Offices: Aberdeen and  
Sioux Falls, SD  
Contact: Aberdeen -  
Don Weigel, 605/225-3494  
Contact: Sioux Falls -  
Kevin Goff, 605/331-2505

Larry McMurtry PE  
Hadi Sajadi PE  
Cory Casperson PE  
Tim La Bissoniere PE  
Abi Assadi PE  
Don Weigel PE

Firm Personnel by Discipline  
Civil Engineers 7  
Structural Engineers 11  
Land Surveyors 5  
Other Professional 2  
Technical 21  
Administrative 6  
Total 52

Clark Engineering Corporation provides structural engineering, civil engineering and land surveying services for educational, commercial, industrial, and public sector facilities. Specialty design services for blast resistant structures, special foundations, elevated towers and overhead material handling systems. Civil engineering and surveying services for site development, planning, water supply and distribution, waste water treatment and disposal and storm water management.

John Marshall High School Addition, Rochester, MN; Rosemount Fire Station, Rosemount, MN; Riverside Casino/Hotel/Golf Resort, Cedar Rapids, IA; Voyager Bank, Minnetonka, MN; Ryder Trucking Facility, Roseville, MN; Waterford Complex, Mixed Use, Eau Claire, WI

■ **LEO A DALY**

730 2nd Avenue South, Ste. 1100  
Minneapolis, MN 55402  
Tel: 612/338-8741  
Fax: 612/338-4840  
Email: smhovey@leoadaly.com  
www.leoadaly.com  
Established 1915  
Contact: Shannon Hovey,  
612/341-9536

Continued on next column

Other Offices: Atlanta, GA;  
Austin, Dallas, Fort Worth,  
Houston, San Antonio,  
Waco, TX; Hong Kong; Honolulu, HI; Las Vegas, NV; Los Angeles, CA; Miami, FL; Omaha, NE; Phoenix, AZ; Washington, D.C.

Kurt Rogness AIA  
Charles M. Ault PE  
Michael Alexander PE  
Manos Ginis AIA  
Robert E. Egge AIA  
Howard F. Goltz AIA

Firm Personnel by Discipline  
Civil Engineers 6  
Structural Engineers 13  
Mechanical Engineers 21  
Electrical Engineers 12  
Refrigeration Engineers 2  
Fire Protection Engineer 1  
Communication Distribution Engineer (RCDD) 1  
Architects 38  
Other Professional 10  
Technical 10  
Administration 16  
Total 130

Leo A. Daly has provided industry-leading engineering services since 1917. Our engineering services strengthen our multi-disciplinary design teams, as well as provide services for engineering projects independent of our architectural design services. Our engineers incorporate sustainability, energy efficiency, cost control, user-friendliness and long-term systems integrity and maintainability.

Fairview Red Wing Medical Center, Red Wing, MN; Mayo Foundation (SCIF), Rochester, MN; Minneapolis Convention Center, Minneapolis, MN; Erie Convention Center, Erie, PA; Qwest, Minneapolis, MN; General Dynamics, Bloomington, MN

■ **DARG BOLGREAN MENK, INC.**

7575 Golden Valley Road,  
Ste. 210  
Golden Valley, MN 55427  
Tel: 763/544-8456  
Fax: 763/544-8914  
Email: info@dbm-inc.com  
www.dbm-inc.com  
Established 1966  
Contact: Harry D. Menk,  
763/544-8456

Gene Bolgrean PE  
Harry D. Menk PE

Continued on next column

Firm Personnel by Discipline  
Structural Engineers 4  
Technical 2  
Administrative 1  
Total 7

Complete structural engineering services for commercial/retail, office/warehouse, academic, industrial, governmental, medical/health, housing, religious and parking facilities. With expertise in steel, concrete, masonry and wood, DBM has engineered new construction, additions and renovations/restoration on over 5,000 projects in 21 states.

Fergus Falls Psychological Hospital, Fergus Falls, MN; Amigo Service Center, Minneapolis, MN; Prestwick Golf Clubhouse, Woodbury, MN; Greenhouse Village Apartments, Roseville, MN; Little Canada Office Building, Little Canada, MN; St. Charles Public Library, St. Charles, MN

■ **DATA CORE ENGINEERING, INC.**

1700 West Highway 36  
700 Rosedale Towers  
Roseville, MN 55113  
651/604-3200  
Fax: 651/639-9618  
Email: info@dcedesign.com  
www.datacoreeng.com  
Established 1991

James W. Giefer PE  
D. Lane Hersey PE  
Jeff Westlund RCDD  
Bill McGuire

Firm Personnel by Discipline  
Electrical Engineers 2  
Technical 11  
Total 13

Data Core is a technology consulting firm. We provide technology planning and design services to architects and engineers for the integration of computer, audio/visual, telephone and other communication and security camera systems for both new construction and renovation projects. Data Core also provides technology support services.

University of Minnesota Duluth - Labovitz School of Business and Economics, Duluth, MN; United States Army Reserve Training Centers and Maintenance Facilities, Nationwide; Technology Upgrade, Saint Paul Public Schools, St. Paul, MN; Technology Up-

grade, Owatonna Public Schools, Owatonna, MN; Network and Intranet Support, Cretin Derham Hall, St. Paul, MN; Technology Design, Douglas County Metro Center, Superior, WI; Prior Lake High School, Prior Lake, MN

■ **DLR GROUP**

9521 West 78th Street  
Minneapolis, MN 55344-3853  
Tel: 952/941-8950  
Fax: 952/941-7965  
E-mail:

minneapolis@dlrgroup.com  
www.dlrgroup.com  
Established 1966

Other Offices: Chicago, IL; Colorado Springs, CO; Des Moines, IA; Farmington, NM; Honolulu, HI; Milwaukee, WI; Omaha, NE; Orlando, FL; Overland Park, KS; Philadelphia, PA; Phoenix, AZ; Portland, OR; Sacramento, CA; Seattle, WA

Griff Davenport AIA  
Matt Johnson AIA  
Kelly Artz PE, RCDD  
Marlene Evenson AIA  
Jon Crump AIA  
Tom Sindelar AIA

Firm Personnel by Discipline  
Structural Engineers 2  
Mechanical Engineers 7  
Electrical Engineers 4  
Architects 20  
Other Professional 6  
Administrative 9  
Total 48

DLR Group has been providing exceptional engineering and design services since its inception in 1966. As a full-service architectural and engineering (mechanical, electrical, structural, civil and technology/communications) firm, we are a national leader in the design of corporate, industrial, educational, sports, justice and health care facilities, and associated building systems.

Farmington School District, High School, Farmington, MN; Belle Plaine School District, Elementary School, Belle Plaine, MN; Scott County, Jail/Law Enforcement Center, Shakopee, MN; Anoka Ramsey Community College, Campus Expansion, Cambridge, MN; The Boeing Corporation, Factory of the Future, Seattle, WA; Madison Marquette Realty Services, Brookdale Mall Smoke Control, Minnetonka, MN

Continued on next column



■ **DOLEJS ASSOCIATES INC.**  
1624 North Riverfront Drive  
Mankato, MN 56001  
Tel: 952/435-6790  
Fax: 507/388-9225  
Email: dolejs@hickorytech.net  
Established 1977

Joseph Dolejs PE  
Christopher J. Dolejs PE  
Michael Dolejs PE

Firm Personnel by Discipline  
Mechanical Engineers 3  
Electrical Engineer 1  
Technical 10  
Administrative 2  
Total 15

Dolejs Associates provides Mechanical and Electrical Design Services for the Building Industry. Building types include educational, recreational, churches, engineered housing, hotels, restaurants and public works. An experienced and stable staff provides expertise in HVAC, plumbing, fire protection, temperature control, lighting, power, communication and life safety systems.

Hosanna! Lutheran Church, Lakeville, MN; Public Works Facility, Lakeville, MN; Community Center, St. Peter, MN; Real Life Co-op Housing, Burnsville, MN; Bethany College Math and Science Building, Mankato, MN; Lake Crystal High School, Lake Crystal, MN; Decker Trucking Corporate Offices, Fort Dodge, IA

■ **DUNHAM ASSOCIATES, INC.**  
8200 Normandale Blvd., Ste. 500  
Minneapolis, MN 55437  
Tel: 952/820-1400  
Fax: 952/820-2760  
Email: info@dunhamassociates.com  
www.dunhamassociates.com  
Established 1960  
Contact: Katy Kolbeck, PE, 952/820-1400

Kathleen Kolbeck PE, LEED AP  
Dale Holland PE, LEED AP  
Jay Rohkohl PE, LEED AP  
Steve Gentilini PE  
Ron Feldhaus PE  
Mike Anderson PE

Continued on next column

Firm Personnel by Discipline  
(11 LEED Accredited Professionals)  
Mechanical Engineers 42  
Electrical Engineers 28  
Registered Communications Distribution Designer (RCDD) 2  
Commissioning Specialists 8  
Other Professionals 2  
Administrative 8  
Total 90

Dunham Associates provides sensible mechanical and electrical engineering solutions for a variety of business markets including: aviation, commercial, education, health care and retail. We apply our specialized design expertise to commissioning building projects, sustainable projects, telecommunication projects, and CFD modeling for HVAC analysis. Our LEED certified and highly-trained staff provides the factor in the important equation that produces a successful design for our clients.

Regis Centennial Crossings Office Building, Edina, MN; Cypress Semiconductor, Bloomington, MN; Shakopee High School, Shakopee, MN; Methodist Hospital Heart and Vascular Center, St. Louis Park, MN; Hinckley Hotel and Casino, Hinckley, MN; Minneapolis/St. Paul International Airport West Terminal Expansion, St. Paul, MN

■ **EDWARDS AND KELCEY, INC.**  
7300 Metro Boulevard, Ste. 400  
Minneapolis, MN 55439  
Tel: 952/835-6411  
Fax: 952/835-7376  
Email: dwarzala@ekmail.com  
www.ekcorp.com  
Established 1946  
Contact: David B. Warzala, 952/835-6411

Other Offices: National firm with 22 offices in principal cities throughout the Midwest, New England, Mid-Atlantic and Southeastern Regions

Thomas Parker PE  
Robert Sands PE, AICP  
David Warzala  
Jeffrey (Jay) Wetmore PE

Firm Personnel by Discipline  
Civil Engineers 101  
Structural Engineers 86  
Mechanical Engineers 10  
Electrical Engineers 39  
Transportation, Electronics, Value Engineers 159  
Architects 32  
Other Professional 161  
Technical 137  
Administrative 130  
Total 855

Continued on next column

Edwards and Kelcey is a nationally recognized firm that serves public and private clients, providing full-service planning, engineering, and construction management services from concept to completion. Our approach focuses on the user's needs, optimizing value for clients in these markets: transportation, environmental, communications, utilities, institutional, commercial, industrial, recreation and Federal.

Hiawatha LRT Design Build, Minneapolis, MN; University of Minnesota Coffman Union Site Design, Minneapolis, MN; Kohl's Site Design, Maplewood, MN; Fidelity Financial Services Site Design, Edina, MN; University of Minnesota Jones Hall Site Design, Minneapolis, MN; Metro Transit Park and Ride Parking Structure, Plymouth, MN

■ **ELLERBE BECKET, INC.**  
800 LaSalle Avenue  
Minneapolis, MN 55402  
Tel: 612/376-2000  
Fax: 612/376-2271  
Email: info@ellerbebecket.com  
www.ellerbebecket.com  
Established 1909  
Contact: Steve Wernersbach, PE, 612/376-2311

Other Offices: Kansas City, MO; San Francisco, CA; Washington, DC; Dubai, United Arab Emirates

Jon Buggy AIA  
Steve Wernersbach PE  
Randy Jacobs PE  
Jon Iverson PE  
Pete Brown PE  
Dan Dickenson PE, LEED AP

Firm Personnel by Discipline  
Civil Engineers 1  
Structural Engineers 7  
Mechanical Engineers 28  
Electrical Engineers 21  
Architects 103  
Other Professional 48  
Technical 19  
Administrative 56  
Total 283

Ellerbe Becket's engineering team has a proven history of success in the execution of technically complex projects, including new construction, renovation and building systems retrofits. The team offers experience in a wide range of facility types, including hospitals and clinics, mission critical facilities, laboratories, corporate workplace, learning environments and heating/cooling plants.

Continued on next column

Regions Hospital/Gillette Children's Expansion, St. Paul, MN; Abbott Northwestern Neuroscience/Orthopaedic/Spine Patient Care Center, Minneapolis, MN; Immanuel-St. Joseph/Mayo Health System Cardiology/Oncology Expansion, Mankato, MN; Michigan Electric Transmission Company, Transmission Operations Center, Grand Rapids, MI; Confidential Major Insurance Company, Corporate South Campus, Bloomington, IL; NRG Energy Inc., Multiple projects, Minneapolis, MN

■ **ENGINEERING DESIGN INITIATIVE, LTD (edi)**  
420 N. 5th Street, Ste. 565  
Minneapolis, MN 55401  
Tel: 612/343-5965  
Fax: 612/343-5982  
Email: lnemer@edilimited.com  
www.edilimited.com  
Established 2002  
Contact: Larry Nemer, PE, 612/343-5965

Jay Hruby PE  
Larry Nemer PE, LEED AP  
Larry Svitak PE

Firm Personnel by Discipline  
Mechanical Engineers 4  
Electrical Engineers 2  
Technical 5  
Administrative 1  
Total 12

EDI provides innovative M/E engineering solutions for a variety of building types. Our services include M/E engineering, building commissioning, energy modeling and daylight modeling services. EDI is committed to delivering designs that are energy efficient, maintainable and sustainable. We are passionate in our creative design, attention to detail and commitment to teamwork - from defining initial performance goals through validation by commissioning.

St. John's Abbey Guesthouse and Chapter House, Collegeville, MN; Roberts County Corrections/Facility, MN; St. Cloud Public Library, St. Cloud, MN; SPPS Central High School Technology Upgrade, St. Paul, MN; Grinnell College Noyce Science Commissioning, Grinnell, IA; Grinnell College Campus Center Energy Modeling, Grinnell, IA; City of Minneapolis Water Works Maintenance Facility, Fridley, MN



■ **ERICKSEN ELLISON AND ASSOCIATES**

2635 University Avenue West,  
Ste. 200  
St. Paul, MN 55114  
Tel: 651/632-2300  
Fax: 651/632-2397  
www.eeaengineers.com  
Established 1954

William F. Thiesse PE  
Jim H. Art PE  
Todd A. Peterson PE  
Davin A. Losier PE

Firm Personnel by Discipline  
Mechanical Engineers 12  
Electrical Engineers 8  
Technical 1  
Administrative 4  
Total 25

A mechanical/electrical engineering firm designing building systems for higher education, K-12, libraries, churches, judicial/corrections, municipal, recreational, residential, retail, medical, corporate and industrial clients. Systems include: HVAC, plumbing, ground source heat pumps, fire protection, specialty lighting, critical power, voice/data communications, sound reinforcement, security/surveillance, and facility infrastructure planning.

Minneapolis Central Library, Minneapolis, MN; Grinnell College Campus Center, Grinnell, IA; MCF Faribault M & E Infrastructure Renovation, Faribault, MN; Sandstone Prison Renovation, Sandstone, MN; Eli Lilly Corporate Data Center Electric Power System; Eagle Brook Church

■ **ERICKSEN ROED & ASSOCIATES, INC.**

2550 University Avenue West,  
Ste. 201-S  
St. Paul, MN 55114  
Tel: 651/251-7570  
Fax: 651/251-7578  
www.ericksenroed.com  
Established February 1985  
Other Office: Eau Claire, WI

Alfred "Bud" Ericksen PE  
Thomas E. Amundson  
James D. Roed PE  
William T. Buller PE, SE  
Michael A. DeSutter PE  
Robert A. Curtis PE  
Robert J. Quinn PE  
David J. Pluke

Continued on next column

Firm Personnel by Discipline  
Structural Engineers 26  
Technical 20  
Administrative 3  
Total 49

Full service structural engineering for retail, medical, commercial, educational, computer centers, high-rise offices, housing, parking facilities, sports and recreational facilities, as well as conduct investigations of existing structures for remodeling and renovation. We are registered as Professional Engineers in Minnesota and throughout the United States as well as the owner of the ER-POST - Precast Building System (patent pending).

Department of Human Services Building and Parking Ramp, St. Paul, MN; Guthrie Theater and Parking Ramp, Minneapolis, MN; Fairview Southdale Hospital Expansion, Parking Ramp and Skyway, Edina, MN; University of Minnesota Riverbend Commons Dormitory and Parking Ramp, Minneapolis, MN; Target Retail/Office Building - 900 Nicollet, Minneapolis, MN; Bookmen Stacks Housing Tower and Parking Ramp, Minneapolis, MN

■ **FOSTER, JACOBS & JOHNSON, INC.**

345 Canal Park Drive, Ste. 200  
Duluth, MN 55802  
Tel: 218/722-3060  
Fax: 218/722-1931  
Email: mail@fjj.com  
Established 1922

James R. Johnson PE  
Charles F. Jacobs PE

Firm Personnel by Discipline  
Mechanical Engineers 4  
Electrical Engineers 2  
Technical 7  
Administrative 2  
Total 15

Continued on next column

Full Service Mechanical and Electrical consulting services, including design and preparation of contract documents for fire protection, plumbing, HVAC, controls, lighting, power distribution, communications and life-safety systems and construction administration. We offer computer-aided selection of M/E equipment and generate drawings using Auto Cad with "soft desk" building services.

Cirrus Design Expansion, Duluth, MN; Fortune Bay Resort and Casino Renovation, Tower, MN; Grand Rapids Middle School, Grand Rapids, MN; Minnesota Air National Guard Composite Aircraft Maintenance Complex, Duluth, MN; University of Minnesota, Duluth Sports and Health Center, Duluth, MN; Virginia Regional Medical Center/SMDC Medical Office Building, Virginia, MN

■ **FUTRELL FIRE CONSULT & DESIGN, INC.**

8860 Jefferson Highway  
Osseo, MN 55369-1500  
Tel: 763/425-1001  
Fax: 763/425-2234  
Email: scottf@ffcdi.com  
www.ffcdi.com  
Established 1989

Scott A. Futrell PE (WI)  
Rich Pehrson PhD, PE (MN,SD)  
Mark Lund PE (MN)

Firm Personnel by Discipline  
Professional Engineers 3  
Technical 4  
Administrative 2  
Total 9

Fire Protection Engineering, fire alarm and fire suppression system design, risk analysis, plan and engineering report reviews, special instructions, commissioning, expert witness, third-party review and project management.

3M, Nationwide; University of Minnesota, various projects, Minneapolis Campus, MN; St. Paul Public Housing Authority, various projects, MN; Minnesota Air National Guard, Duluth, MN; CENEX Inver Grove Heights Warehouse, MN; DLR Group, Duluth Federal Building and United States Courthouse, Duluth, MN

■ **GAUSMAN & MOORE ASSOCIATES, INC.**

1700 West Highway 36  
700 Rosedale Towers  
Roseville, MN 55113  
Tel: 651/639-9606  
Fax: 651/639-9618  
Email: gmmail@gausman.com  
www.gausman.com  
Established 1935  
Other Offices: Duluth, MN; Portland, OR

James W. Giefer PE  
James A. Keller PE  
D. Lane Hersey PE  
Robert B. Full PE

Firm Personnel by Discipline  
Mechanical Engineers 17  
Electrical Engineers 10  
Fire Protection Engineer 1  
Other Professional 1  
Technical 28  
Administrative 10  
Total 67

Gausman & Moore provides mechanical, electrical, fire protection, and technology design engineering services. Areas of Special Expertise include sustainable design (LEED™ AP), mission critical power systems, forensic investigations, lighting design, and health care.

Hennepin County Brookdale Government Service Center, Brooklyn Park, MN; University of Minnesota Duluth Labovitz School of Business and Economics, MN; Cloquet Community Memorial Hospital Remodeling and Addition, MN; U. S. Army Reserve Training Centers and Maintenance Facilities, Nationwide; Target Corporate Data Center, Brooklyn Park, MN; Target Stores, Nationwide



■ **HALLBERG ENGINEERING, INC.**

1750 Commerce Court  
White Bear Lake, MN 55110  
Tel: 651/748-1100  
Fax: 651/748-9370  
Email:

hei@hallbergengineering.com  
www.hallbergengineering.com  
Established 1984  
Contact: Chris Brown,  
651/748-4367

—  
Joseph W. Hallberg PE  
James R. Penkivech PE  
Larry A. Jensen PE

—  
Firm Personnel by Discipline  
Mechanical Engineers 10  
Electrical Engineers 5  
Other Professional 4  
Technical 16  
Administrative 6  
Total 41

—  
Mechanical, electrical, technology and facility management engineering services for educational, retail, commercial, institutional, health care and correctional facilities. Our Commissioning group performs mechanical and technology commissioning for new and existing facilities. The Schools for Energy Efficiency (tm) (SEE) Program provides schools with the tools to save energy and avoid energy costs.

—  
Stillwater Area Schools, Stillwater, MN; New Prague Area Schools, New Prague, MN; Inver Grove Heights Community Schools, Inver Grove Heights, MN; Edina Public Schools Commissioning, Edina, MN; St. Benedicts College, Henrita Academic Building, St. Joseph, MN; Aeropostale Stores, Nationwide

■ **HAMMEL, GREEN AND ABRAHAMSON**

701 Washington Avenue North  
Minneapolis, MN 55401  
Tel: 612/758-4000  
Fax: 612/758-4199

Email: info@hga.com  
www.hga.com  
Established 1953  
Other Offices: Rochester, MN; Milwaukee, WI; Sacramento, Los Angeles and San Francisco, CA  
Contact: Julie Luers,  
Dir. of Mktg., 612/758-4613

Continued on next column

Chuck Cappellin PE  
Jeff Harris PE  
Leigh Harrison PE  
Kenny Horns PE  
Doug Maust PE  
Yan Shagalov PE

—  
Firm Personnel by Discipline  
Civil Engineering 5  
Structural Engineering 24  
Mechanical Engineering 36  
Electrical Engineering 27  
Industrial Engineers 2  
Architects 213  
Other Professionals 34  
Technical 41  
Administrative 87  
Total Staff 469

—  
HGA has engineering expertise in the design of a broad range of facility types. In addition to traditional HVAC, structural and electrical systems, HGA has specialists in clean environments, industrial processes, central plants, utility infrastructure, existing condition surveys, facility assessments, telecommunications systems design, healthcare technology applications design, structural special inspections, and specialty lighting. HGA engineers serve both prime consultants and sub-consultants.

—  
CentraCare Health System, St. Cloud, MN; General Mills, Golden Valley, MN; Honeywell, Minneapolis, MN; Minnesota Departments of Agriculture and Health, Saint Paul, MN; Surmodics, Bloomington, MN; Walker Art Center Expansion, Minneapolis, MN

■ **INSPEC, INC.**

5801 Duluth Street  
Minneapolis, MN 55422  
Tel: 763/546-3434  
Fax: 763/546-8669

E-mail: fking@inspec.com  
www.inspec.com  
Established 1973  
Other Office: Milwaukee, WI; Chicago, IL

—  
Dwight Benoy PE  
Gary Patrick AIA  
Mike Remington PE  
David W. Campbell AIA

—  
Firm Personnel by Discipline  
Civil Engineers 7  
Structural Engineers 2  
Architects 3  
Technical 48  
Administrative 23  
Total 83

Continued on next column

Inspec offers our clients smart engineering for roofs, walls, pavements and waterproofing. Our services include survey and evaluation, failure investigation, design and consultation, expert witness testimony, construction administration and observation, on-site and lab testing, and customized facility management programs. We also specialize in historic building renovation and outdoor athletic facilities.

—  
Glensheen, Duluth, MN; Minnesota State Capitol, St. Paul, MN; American Swedish Institute, Minneapolis, MN; Minnesota State Colleges and Universities (54 campuses), Statewide; Anoka County, MN; University of Chicago, Chicago, IL

■ **KARGES-FAULCONBRIDGE, INC.**

670 West County Road B  
St. Paul, MN 55113  
Tel: 651/771-0880  
Fax: 651/771-0878  
E-mail: kfi@kfi-eng.com  
Established 1996

—  
William J. Karges, Jr. PE  
James A. Faulconbridge PE

—  
Firm Personnel by Discipline  
Mechanical Engineers 17  
Electrical Engineers 6  
Chemical Engineers 1  
Commissioning 9  
Other Professional 9  
Administrative 7  
Designers 34  
Total 83

—  
Karges-Faulconbridge, Inc. (KFI) is a unique engineering firm of engineers, designers, professional estimators, and commissioning specialists registered in 50 states and the District of Columbia, and KFI's new office building is LEED certified Gold. KFI provides engineering and construction management services for industrial, institutional, healthcare and commercial organizations. KFI clients rely on this unique combination of skills and experience to address issues of constructability, phasing, maintenance and operations early in the design stage, conserving time and resources.

—  
Soybean Extraction Plant, Cenex Harvest States, Fairmont, MN; Minnesota Veterans Home, Infrastructure Improvements, Hastings, MN; New Vegetable Oil Refinery, AGP, Hastings, NE; Robbinsdale School District 281, Ventilation Systems, Robbinsdale, MN; Esti-

Continued on next column

mating for Minneapolis-St. Paul International Airport Expansion,, Bloomington, MN; Commissioning Osseo Schools, Osseo, MN

■ **KRECH, O'BRIEN, MUELLER & ASSOCIATES, INC.**

6115 Cahill Avenue  
Inver Grove Heights, MN 55076  
Tel: 651/451-4605  
Fax: 651/451-0917  
Email: jkrech@komainc.com  
www.komainc.com  
Established 1987

—  
James H. Krech PE  
Michael J. Lisowski PE  
Daniel J. O'Brien AIA  
Brady R. Mueller AIA  
Cindy Douthett Nagel CID

—  
Firm Personnel by Discipline  
Structural Engineers 3  
Architects 4  
Architectural Interns 4  
Other Professional 2  
Technical 1  
Administrative 2  
Total 16

—  
KOMW offers structural engineering, architecture, interior design and construction management services. Registered structurally in 24 states, typical structural projects include industrial, commercial, institutional, ecclesiastical, forensic, agricultural, blast resistance, and hazardous waste containment. Specialties include granular material storage, hazardous liquid containment, corrosive environments, blast resistance, and aluminum greenhouse design.

—  
Minnesota Diversified Industries, Grand Rapids, MN; Silver Tree Suites Condominiums, Deep Creek Lake, Maryland; Oak Hills Park Warming House and Shelter, St. Louis Park, MN; Crossroads Church, Lakeville, MN; Buell's Landscape Center, Hastings, MN; International Union of Operating Engineers Local 49, Training Facility, Pine City, MN



■  
**LANDFORM**  
650 Butler North Building  
510 1st Avenue North  
Minneapolis, MN 55403  
Tel: 612/252-9070  
Fax: 612/252-9077  
Email: info@landform.net  
www.landform.net  
Established 1994  
Other Office: Phoenix, AZ

—  
Darren B. Lazan RLA  
Stephen M. Johnsten PE  
Carolyn Krall AIA  
Kendra Lindahl AICP

—  
Firm Personnel by Discipline  
Civil Engineers 16  
Architects 2  
Other Professional 19  
Technical 12  
Administrative 8  
Total 57

—  
Landform provides civil engineering, planning, landscape architecture, land surveying and architectural services. Our broad range of local and national clients includes developers, architects, corporate/commercial groups, builders, cities and other government entities. Specialties are retail, hospitality, office, residential, medical campuses and institutional.

—  
Mound Harbor Renaissance, Mound, MN; The Retreat at Garden Gate, Woodbury, MN; Heritage Squares at Legacy Village, Maplewood, MN; Andover Clocktower Commons, Andover, MN; Stone Bay, Orono, MN; Methodist Hospital, St. Louis Park, MN

■  
**LARSON ENGINEERING OF MINNESOTA**

3524 Labore Road  
White Bear Lake, MN 55110  
Tel: 651/481-9120  
Fax: 651/481-9201  
Email: info@larsonmn.com  
www.larsonengr.com  
Established 1979  
Contact: Kesh Ramduler, PE  
(Regional Mgr.), 651/481-9120

—  
Other Offices: Naperville, IL; Appleton and Milwaukee, WI; Norcross, GA; St. Louis, MO; Scottsdale, AZ

—  
Lee Granquist PE  
Kesh Ramdular PE  
Henry Voth PE

Continued on next column

Firm Personnel by Discipline  
Civil Engineers 7  
Structural Engineers 29  
Other Professional (CFO) 1  
Technical (CADD) 7  
Administrative 8  
Total 52

—  
Larson Engineering of Minnesota (corporate headquarters) offers engineering services in both STRUCTURAL (architectural, curtain wall, industrial and materials handling), and CIVIL (site work, pavement management and athletic facilities). Services include project engineering and project management with national and international experience.

—  
Walker Art Center, renovation and addition, Minneapolis, MN; Minneapolis Central Library, Minneapolis, MN; St. Cloud State University Husky Stadium, St. Cloud, MN; Yellow Medicine East High School Athletic Track Complex, Granite Falls, MN

■  
**LHB, INC.**

21 West Superior Street, Ste. 500  
Duluth, MN 55802  
Tel: 218/727-8446  
Fax: 218/727-8456  
Email: joellyn.gum@lhbcorp.com  
www.lhbcorp.com  
Established 1966  
Other Offices: Minneapolis, MN  
Contact: Joellyn Gum,  
218/727-8446

—  
William Bennett PE  
Richard Carter AIA  
David Sheedy PE  
Joe Litman PE  
Jay Bergman PE  
Timothy Korby PE

—  
Firm Personnel by Discipline  
Civil Engineers 12  
Structural Engineers 10  
Mechanical Engineers 8  
Electrical Engineers 8  
Professional Land Surveyors 2  
Architects 23  
Other Professional 18  
Technical 44  
Administrative 25  
Total 150

Continued on next column

LHB provides survey, civil, electrical, mechanical, and structural engineering for buildings, sites and infrastructure. We serve government, public works, pipeline, industrial, education, healthcare, commercial, and housing. Specialties include roads, structures, water/sewer/waste water systems, and building performance which helps manage ownership costs. LHB values sustainability, design excellence and quality documents.

—  
Mn/DOT's TH 19 and TH 169 Bridge, Mankato, MN; St. Louis County's CSAH 7 Urban Roadway Reconstruction, Virginia, MN; Becker Biosolids Treatment Facility, Becker, MN; City of Duluth Storm Sewer GIS System, Duluth, MN; Chatfield Waste Water Treatment Facility Expansion, Chatfield, MN; University of Minnesota Duluth Life Sciences Buildings, remodel and new mechanical system, Duluth, MN

■  
**LOUCKS ASSOCIATES**

7200 Hemlock Lane, Ste. 300  
Minneapolis, MN 55369  
Tel: 763/424-5505  
Fax: 763/424-5822  
E-mail: home@loucksmclagan.com  
www.loucksmclagan.com  
Established 1976  
Other Offices: Loucks McLagan, St. Paul, MN

—  
Thomas G. Loucks  
Jeffrey A. Shopek PE  
Paul J. McGinley PLS  
Michael J. St. Martin PE

—  
Firm Personnel by Discipline  
Civil Engineers 9  
Other Professionals 6  
Technical 35  
Administrative 4  
Total Staff 54

—  
Services include site layout, grading, storm water conveyance systems, water quality retention ponds, wetland mitigation, EAW/EIS documents. Phase I and II ESAs, groundwater contamination, ALTA title surveys, site feasibility studies, comprehensive plan amendments, rezoning, permitting and approvals for industrial, commercial, retail, corporate campus, assisted living community, senior co-op, townhome and education facilities.

Continued on next column

Allianz Corp. Facility, Golden Valley, MN; Protein Design Lab (PDL), Brooklyn Park, MN; Boston Scientific, Maple Grove, MN; Gramercy Co-op Senior Housing, Statewide Locations, MN; North Quadrant/Sibley Mixed Use, St. Paul, MN; Minnesota State Fair, St. Paul, MN

■  
**LUNDQUIST, KILLEEN, POTVIN & BENDER, INC. (LKPB)**

1935 W. County Road B2, Ste. 300  
Saint Paul, MN 55113  
Tel: 651/633-1223  
Fax: 651/633-1355  
www.lkpb.com  
Established 1969  
Contact: Nikki Bartholomew,  
651/288-6110

—  
Leonard A. Lundquist PE  
John M. Killeen PE  
Peter A. Potvin PE  
Gayland J. Bender PE  
Jon D. Haack PE

—  
Firm Personnel by Discipline  
Mechanical Engineers 16  
Electrical Engineers 5  
Technical 13  
Administrative 8  
Total 42

—  
Lundquist, Killeen, Potvin & Bender, Inc. (LKPB) is a mechanical and electrical consulting engineering firm that was founded in 1969. The firm provides services to clients in diverse settings such as post-secondary education, health care, corporate, commercial, historical, recreational and municipal environments.

—  
Regions Hospital, master planning, St. Paul, MN; Allina Commons (Midtown Exchange), Minneapolis, MN; Mill City Museum, Minneapolis, MN; Middlebury College, new library, Middlebury, VT; University of Minnesota Landscape Arboretum, new visitors' center, Chaska, MN; Dan Abraham Wellness Center (Mayo Clinic), Rochester, MN



■ **MASTER: ENGINEERING, REAL ESTATE AND CONSTRUCTION**

125 W. Broadway Avenue  
Minneapolis, MN 55411  
Tel: 612/872-9200  
Fax: 612/872-9201  
Email: ryanb@mastermn.com  
www.mastermn.com  
Established 1998  
Contact: Ryan Bluhm, PE  
612/236-1601

—  
Lance Elliott PE  
Don Gerberding  
Wayne Johnson  
Charlie Nestor

—  
Firm Personnel by Discipline  
Civil Engineers 7  
Other Professional 20  
Administrative 3  
Total 30

—  
Master's civil engineering department provides civil engineering services for property development and reconstruction of existing infrastructure. Our projects range from urban infill to large land developments. Services include site design, grading and utility design, stormwater management plans, and complete site work construction.

—  
MinnLo Credit Union, North Branch, MN; Bassett Creek Crossing, Plymouth, MN; Silver Cliff Beach Homes, Two Harbors, MN; Artists Quarter, 26th and Nicolet, Minneapolis, MN; Minikahda Country Club, Poolhouse, Minneapolis, MN; Winnetka Townhomes, New Hope, MN

■ **MATTSON/MACDONALD, INC.**

901 North 3rd Street, Ste. 100  
Minneapolis, MN 55401  
Tel: 612/827-7825  
Fax: 612/827-0805  
Email: davem@mattsonmacdonald.com  
www.mattsonmacdonald.com  
Established 1983  
Contact: Stephanie Young,  
612/827-7825

—  
David H. Macdonald PE  
Stephanie J. Young PE

—  
Firm Personnel by Discipline  
Structural Engineers 8  
Technical 3  
Administrative 1  
Total 12

Continued on next column

Structural engineering services for commercial, educational, industrial, institutional and residential buildings. Design of new buildings, renovation and restoration of existing buildings. Experienced in the restoration and adaptive re-use of historic buildings.

—  
Milwaukee Road Depot Restoration, Minneapolis, MN; Stone Arch Lofts, Minneapolis, MN; Wayzata City Hall and Library, Wayzata, MN; Uptown Transit Station, Uptown Minneapolis, MN; Presbyterian Homes of North Oaks, North Oaks, MN; Central Baptist Church, Sioux Falls, SD

■ **MBJ, INC.**

12 South Sixth Street  
Minneapolis, MN 55402  
Tel: 612/338-0713  
Fax: 612/337-5325  
Email: info@mbjeng.com  
www.mbjeng.com  
Established 1955  
Contact: Joan Gasper,  
612/604-3603

—  
Other Offices: Duluth, MN; Phoenix, AZ

—  
Daniel E. Murphy PE  
Michael J. Ramerth PE

—  
Firm Personnel by Discipline  
Structural Engineers 36  
Technical 11  
Administrative 4  
Total 51

—  
Provides structural engineering services for all building types including educational, medical, commercial, parking, technology, historic, entertainment, religious, hospitality, and housing - totaling approximately \$450 million in new construction annually. Services include feasibility studies, analysis, design, construction documentation, field observation, special inspections and parking ramp condition surveys. Member of the U.S. Green Building Council.

—  
McNamara Alumni Center, Minneapolis, MN; SEI Investments Corporate Campus, Oaks, PA; Abbott Northwestern Hospital, Minneapolis, MN; 301 Kenwood Condominiums, Minneapolis, MN; Grain Belt Brewery Restoration, Minneapolis, MN; Seagate Technology, Longmont, CO

■ **MCCONKEY JOHNSON SOLTERMANN, INC.**

241 Cleveland Avenue S., Ste. B2  
St. Paul, MN 55105  
Tel: 651/698-5626  
Fax: 651/698-5628  
Email: mjseng@qwest.net  
www.mconkeyjohnson.com  
soltermann.com  
Established 1978

—  
Richard W. Johnson PE  
Christian Soltermann PE

—  
Firm Personnel by Discipline  
Structural Engineers 3  
Technical 2  
Administrative 1  
Total 6

—  
Structural engineering consulting services for commercial, industrial, institutional, public and residential projects. Structural assessments of existing structures. Design office that stresses cooperation, communication and a knowledgeable exchange of ideas. Licensed in 14 states.

—  
Lakeview Lofts, Spring Park, MN; Midwest Volleyball Warehouse, Burnsville, MN; Granite City Food and Brewery, Several Locations; West Oak Condos, St. Louis Park, MN; North American State Bank, Willmar, MN; Mann's Hibbing 8 Plex, Hibbing, MN

■ **MICHAUD COOLEY ERICKSON**

333 South Seventh Street, Ste. 1200  
Minneapolis, MN 55402  
Tel: 612/339-4941  
Fax: 612/339-8354  
Email: bberg@michaudcooley.com  
www.michaudcooley.com  
Established 1946  
Contact: Rebecca Berg,  
612/673-6892

—  
Dean A. Rafferty PE  
Douglas C. Cooley PE  
Monty L. Talber, Jr.  
Joseph A. Tennyson

—  
Firm Personnel by Discipline  
Mechanical Engineers 59  
Electrical Engineers 48  
Fire Protection Engineer 1  
Administrative 12  
Total 120

Continued on next column

MCE designs HVAC, plumbing, fire protection, electrical, illumination, security, life safety, audio visual, building automation, voice data and other special systems. Feasibility and deficiency studies, reports and master planning. Tenant representation and fit-up services, commissioning, facilities management and IAQ analysis.

—  
Wells Fargo South, Shoreview, MN; Allianz Life II, Golden Valley, MN; University of Minnesota Carlson School of Management, Minneapolis, MN; Ecolab, Eagan, MN; Boston Scientific, Maple Grove, MN; Target, Nationwide Locations

■ **MJP ASSOCIATES, LTD.**

4362 Oakmede Lane  
White Bear Lake, MN 55110  
Tel: 651/426-7037  
Fax: 651/426-6643  
Email: mike@mjp-associates.com  
www.mjp-associates.com  
Established 1993

—  
Michael J. Preston PE

—  
Firm Personnel by Discipline  
Structural Engineers 1  
Administrative .5  
Total 1.5

—  
Specialized structural engineering services tailored to high-end residential projects, specialized component evaluation, and miscellaneous structures including investigative studies, feasibility studies, structural analysis and design, preparation of contract documents, and construction observation.

—  
Contented Cow Deck Renovation, Northfield, MN; Exterior Metal Stud Design, Various Commercial and Office Developments; Siegel Residence, Excelsior, MN; Steel Entry Structure, Big "R" Farm Store, Greeley, CO; Field Stone Retaining Wall Designs, Various Locations



# ■ **OLSSON ASSOCIATES**

6600 France Avenue South,  
Ste. 230

Edina, MN 55435

Tel: 952/941-0477

Fax: 952/941-0644

Email: communications@  
oaconsulting.com

www.oaconsulting.com

Established 1956

Contact: Jim Sokolowski,  
952/927-3801

Other Offices: Nebraska (Lincoln,  
Omaha, Grand Island, South  
Sioux City, Scottsbluff, Hol-  
dredge); Arizona (Phoenix, Tuc-  
son); Colorado (Denver); Missouri  
(Kansas City); Kansas (Overland  
Park); Iowa (Sioux City)

Roger Severin	PE, RLS
Patty McManus	MS
Brad Korell	
John Robinson	PE
Jack Lynch	RLA
James G. Sokolowski	PE

Firm Personnel by Discipline	
Civil Engineers	103
Structural Engineers	5
Mechanical Engineers	6
Electrical Engineers	9
Other Professional	5
Technical	138
Administrative	45
Total	497

Olsson Associates offers land  
planning, environmental, geot-  
echnical, civil, traffic engineer-  
ing, surveying, water resources,  
water, wastewater, mechanical/  
electrical, power electrical, struc-  
tural, municipal, construction  
observation, GIS, mapping, land-  
scape architecture, and trans-  
portation services. Our staff  
members include professional  
engineers, engineers-in-training,  
registered geologists, environ-  
mental scientists, registered land-  
scape architects, planners, and  
registered land surveyors.

El Paso County GIS Stormwater  
Master Plan, El Paso County, CO;  
Good Samaritan Medical Office  
Building, Kearney, NE; Lee's  
Summit West High School, Lee's  
Summit, MO; Mystic Meadows  
1st Addition, Farmington, MN;  
Tempe Sports Complex, Tempe,  
AZ; Wal-Mart Super Centers, Var-  
ious Locations throughout NE,  
CO, ND and MN

# ■ **REIGSTAD & ASSOCIATES, INC.**

192 West 9th Street, Ste. 200

St. Paul, MN 55102

Tel: 651/292-1123

Fax: 651/292-8015

Email: greigstad@reigstad.com

www.reigstad.com

Established 1979

Other Office: Biloxi, MS

Gordon H. Reigstad	PhD, PE SE
Charles R. Ashton	PE
David A. Senter	PE
(CA, CO, ND, SD, WI)	

Firm Personnel by Discipline	
Structural Engineers	12
Technical	18
Administrative	3
Total	33

Provides structural design for all  
types of projects utilizing steel,  
concrete, masonry, and timber sys-  
tems, along with pre-stressed and  
post-tensioned concrete and space  
frame systems. Specialty structural  
designs include multi-story float-  
ing buildings, along with marine  
design, barge modifications, and  
mooring dolphins and, since  
2001, providing anti-terrorist de-  
signed structures for military.

Calhoun Condominiums, Min-  
neapolis, MN; Kewadin St.  
Ignace Casino, Sault St. Marie,  
MI; Light Harbor Preserve, New  
Buffalo, MI; Mohawk Casino  
Resort, Monticello, NY; Paradise  
Island, Perdido Key, FL; Presby-  
terian Homes, North Oaks, MN

# ■ **RLK-KUUSISTO, LTD.**

6110 Blue circle Drive, Ste. 100

Minnetonka, MN 55343

Tel: 952/933-0972

Fax: 952/933-1153

Email: jdietrich@rlkinc.com

www.rlkinc.com

Established 1959

Contact: John Dietrich,  
952/933-0972

Other Offices: Ham Lake,  
Duluth and Hibbing

Michele Caron	PE
John Dietrich	ASLA
Steve Schwanke	AICP
Vern Swing	PE
Joseph Samuel	PE
John Jamnick	PE

Continued on next column

# Firm Personnel by Discipline

Civil Engineers	31
Landscape Architects	4
Planner	1
Other Professionals	18
Technical	30
Administrative	13
Total	97

RLK-Kuusisto, Ltd. is a profession-  
al consulting firm specializing in  
municipal and civil engineering,  
master planning, land develop-  
ment, land surveying, landscape  
architecture, and transportation  
engineering. We provide services  
to developers, property owners,  
and municipalities who focus on  
commercial, retail, residential, in-  
dustrial and infrastructure rede-  
velopment. Our specialized ser-  
vices are site development, ap-  
proval, value engineering, and are  
comprehensive to specific engi-  
neering design and detail.

Dean Lake Mixed-use Develop-  
ment, Shakopee, MN; Stillwater  
Mills, Stillwater, MN; Oakdale  
Marketplace, Oakdale, MN; Ca-  
bela's, Rogers, MN; Willow Creek  
Commons, Rochester, MN; Na-  
tional Market Center, Blaine, MN;  
Andover Station, Andover, MN

# ■ **SCHOELL & MADSON, INC.**

15050 23rd Avenue North

Plymouth, MN 55447-4710

Tel: 952/546-7601

Fax: 952/546-9065

Email: mail@schoellmadson.com

www.schoellmadson.com

Established 1956

Contact: Thomas Schottenbauer,  
952/546-7601

Other Office: Elk River, MN

Dana Swindler	
Kenneth Adolf	PE
Daniel Nickols	PLS
Scott Harri	PE
John Karwacki	PE

# Firm Personnel by Discipline

Civil Engineers	10
Landscape Architects	3
Other Professional	15
Technical	22
Administrative	3
Total	53

Civil engineering (commercial, res-  
idential, industrial, retail), munic-  
ipal, site planning, landscape archi-  
tecture, system studies, design and  
construction/contract administra-  
tion. Land surveys, ALTA, CIC,  
GPS, Topographic, Construction  
and As-built. Wetland, natural re-  
source service, environmental site  
assessments, GIS, regulatory com-  
pliance and permitting.

Continued on next column

Mid-Town Exchange, Minneapo-  
lis; Shakopee Public Utilities Ser-  
vice Center, Shakopee, MN; Elk  
Ridge Center, Elk River, MN;  
Wolf Lake Professional Center,  
St. Louis Park, MN; Gander  
Mountain, Lakeville, MN; Sand-  
stone Federal Correctional Facili-  
ty, Sandstone, MN

# ■ **SEBESTA BLOMBERG**

2381 Rosegate

Roseville, MN 55113

Tel: 651/634-0775

Fax: 651/634-7400

Established 1994

Other Offices: Boston, MA; Chica-  
go, IL; Ames, IA; Rochester, MN;  
Rosslyn, VA; Dallas, TX; Detroit,  
MI; Colorado Springs, CO; Shang-  
hai PR, China

Contact: Brad Kafka,  
651/634-0775

James J. Sebesta	PE
Paul J. Blomberg	PE
John A. Carlson	PE
Dean R. Sharpe	PE
Oleksa P. Breslawec	PE
Tony R. Litton	PE

Sebesta Blomberg is a specialty en-  
gineering and management con-  
sulting firm providing services to  
institutional, industrial, health  
care, energy and government mar-  
kets nationwide. Services include:  
utility infrastructure moderniza-  
tion and optimization, building  
systems design and analysis, com-  
missioning, LEED® facilitation, sus-  
tainable support, architectural  
lighting, controls and automation,  
process engineering, power genera-  
tion, transmission and distribu-  
tion, facilities management sup-  
port, training and documentation,  
and construction services.

University of Minnesota Nichol-  
son Hall, Minneapolis, MN; De-  
partment of Defense Commission-  
ing - Pentagon, Arlington, VA;  
Partners Health Care 70 Francis  
Street Building, Boston, MA; Mayo  
Foundation, Stabile and Eisen-  
berg, Rochester, MN; Yale Univer-  
sity School of Medicine Bio Med  
Lab, New Haven CT; Ohio State  
University Biomedical Research  
Tower, Columbus, OH



■ **SHORT ELLIOTT HENDRICKSON INC. (SEH INC.)**

Butler Square Building, Ste. 710C  
100 N. 6th Street  
Minneapolis, MN 55403  
Tel: 612/758-6700  
Fax: 612/758-6701  
www.sehinc.com  
Established 1927  
Contact: Daneeka Marshall-  
Oquendo, 612/758-6841

Other MN Locations: St. Paul, Minnetonka, St. Cloud, Brainerd, Cannon Falls, Duluth, Virginia, Grand Rapids, Gaylord, Glencoe, Rochester and Worthington

Other Locations: Chippewa Falls, Rice Lake, New Richmond, Wausau, Madison, Appleton, Sheboygan and Milwaukee, WI; Chicago, IL; Lake County and Gary, IN; Sioux Falls, SD; Cheyenne, WY; Boulder, Denver, Grand Junction, Fort Collins and Pueblo, CO; Cedar Rapids, IA; Houghton and Novi, MI; Omaha, NE

David Pillatzke	PE
Nancy Schultz	AIA
Glenn Schreiner	PE
Michael Kraemer	PE
Steve Schreurs	PE
Steve Gausman	AIA

Firm Personnel by Discipline	
Civil Engineers	230
Structural Engineers	11
Mechanical Engineer	3
Electrical Engineers	12
Other Engineers:	
Environmental & Sanitation Engineers	23
Architects	24
Other Professional	130
Technical	258
Administrative	117
Total	808

Full-service professional consulting firm specializing in civil, structural, electrical, mechanical, traffic, transportation, environmental and waste resources engineering, architecture and landscape architecture; GIS; community planning and construction administration. Projects include municipal building, water, wastewater, highway, airport, flood control and industrial/ educational/institutional sector projects.

U.S. Fish and Wildlife Interpretive Center, Oak Harbor, OH; Mound Public Safety Facility, Mound, MN; Airport Control Tower, St. Cloud, MN; Fortune Bay Golf Resort Club

Continued on next column

House, Vermilion, MN; Arrival/Departure Building, Redwood Falls, MN; Government, Forestry and Maintenance Facility for Washburn County, Shell Lake, WI

■ **STEEN ENGINEERING, INC.**  
5430 Douglas Drive North  
Crystal, MN 55427  
Tel: 763/585-6742  
Fax: 763/585-6757  
Email: steen@steeneng.com  
Established 1993

Mark R. Brengman	PE
Steven M. Youngs	PE
Eugene A. Striefel	

Firm Personnel by Discipline	
Mechanical Engineers	14
Electrical Engineers	11
Administrative	3
Total	28

Steen Engineering provides Mechanical and Electrical Engineering design from feasibility studies to preparing construction documents. Design experience includes corporate, municipal, medical, hospitality, institutional and retail. Providing HVAC, plumbing, fire protection, lighting, power distribution, life safety, automatic temperature control, energy and analysis and deficiency studies.

Buffalo Wild Wings, Nationwide; Schwan's Distribution Center, Nationwide; Hotel/Motels (AmericInn, Country Inn & Suites, Hilton Garden Inn, Holiday Inn, Marriott), Nationwide; Warners' Stellian Warehouse, St. Paul, MN; SBM Fire Station, Spring Lake Park, MN; Bonten Inc., St. Cloud, MN

■ **STRUCTURAL DESIGN ASSOCIATES, INC.**

10900 Noble Avenue N.  
Champlin, MN 55316  
Tel: 763/560-5300  
Fax: 763/560-5400  
Email: sda@sdaeng.com  
www.sdaeng.com  
Established 1989  
Other Office: Brainerd, MN

Gregory J. Duerr	PE
Firm Personnel by Discipline	
Structural Engineers	5
Technical	3
Administrative	1
Total	9

Continued on next column

Structural Engineers providing design, construction documents, reports, and construction administration services for projects in the educational, industrial (manufacturing, warehousing, equipment supports, and repairs), commercial, municipal, medical, and renovation fields. Services provided to Architects, Owners, Contractors, Developers and others.

Waconia Middle School, Waconia, MN; Buffalo High School, Buffalo, MN; Green Bay Packaging Addition, Wausau, WI; Conference Center for Andersen Windows, Bayport, MN; Redwood Falls Hospital Addition, Redwood Falls, MN; Brentwood Hills Apartments, Inver Grove Heights, MN

■ **TKDA**

1500 Piper Jaffray Plaza  
444 Cedar Street  
Saint Paul, MN 55101-2140  
Tel: 651/292-4400  
Fax: 651/292-0083  
Email: info@tkda.com  
www.tkda.com  
Established 1910  
Other Offices: Grand Rapids, MN; Aurora, IL  
Contact: Christine Wiegert,  
VP Mktg./Bus. Dev.,  
651/292-4400

Richard N. Sobiech	PE
William E. Deitner	PE
Robert A. Boyer	PE
Vincent T. Montgomery	PE

Firm Personnel by Discipline	
Civil Engineers	80
Structural Engineers	5
Mechanical Engineers	9
Electrical Engineers	6
Architects	10
Other Professional	21
Technical	67
Administrative	17
Total Staff	215

Planning, design, and construction engineering for mechanical, electrical, structural, municipal, water, wastewater, highway, bridge, railroad, aviation, architectural and landscape architectural projects.

Lockheed Martin Renovation, Eagan, MN; Hennepin County Recycling Center Expansion, Brooklyn Park, MN; Cinergy Biomass Cogeneration Facility, Saint Paul, MN; Norfolk Southern 55th Street Yard Shop, Chicago, IL; Saint Paul College Trades Area

Continued on next column

Classroom Renovation, Saint Paul, MN; College of St. Scholastica Wellness Center, Duluth, MN

■ **ULTEIG ENGINEERS**

5201 East River Road, Ste. 308  
Minneapolis, MN 55421-1027  
Tel: 763/571-2500  
Fax: 763/571-1168  
E-mail: ifo@ulteig.com  
www.ulteig.com  
Established 1944  
Other Offices: Detroit Lakes, MN; Fargo and Bismarck, ND; Sioux Falls, SD

Bob McCauley	PE
Dan Sargeant	PE
Walt Gregory	RLS
Mark Sornsin	PE
Todd McNerney	PE
Loren Winters	PE

Firm Personnel by Discipline	
Civil Engineers	65
Structural Engineers	25
Mechanical Engineers	6
Electrical Engineers	21
Fire Protection Engineer	1
Registered and Designer	1
Surveyors	59
Other Professional/	
Technical	76
Administrative	40
Total	292

Commercial/Electrical for electric, data, emergency power, and security systems; Mechanical Engineering for HVAC, automation/temperature control and plumbing; FIRE Protection Engineering for protection and suppression; Structural Engineering for a variety of buildings and structures; Site Design for commercial and private development, parks, and sports complexes; Civil Engineering for water, wastewater and stormwater systems; Hydrology and Hydraulic Services; Municipal Engineering; Airports, Bridges and Transportation Engineering; Survey Services, including legal; topographic; ROW acquisition; construction staking; ALTA; GPS, platting; and underground utilities.

Village in the Park Senior Housing Building, St. Louis Park, MN; New Horizon Day Care Centers, Minneapolis Metro Area, MN; King Science Hall Addition, Minnesota State University at Moorhead (MnSCU System), Moorhead, MN; St. Joseph's Hospital, Brainerd, MN; Joint Use Facility, Moorhead/Clay County/MnDOT, MN; Bismarck Municipal Airport Terminal, Bismarck, ND



■ **VAN SICKLE, ALLEN & ASSOCIATES, INC.**

2955 Xenium Lane North, Ste. 10  
Plymouth, MN 55441  
Tel: 763/559-9100  
Fax: 763/559-6023

Email: sstangeland@vansickleallen.com  
www.vansickleallen.com  
Established 1978  
Other Offices: Hutchinson, KS

Richard Van Sickle PE  
Scott Stangeland PE  
S. (Shawn) Shahriar PhD, PE  
Keith Jacobson PE  
Gene Haldorson  
Bernie Jansen

Firm Personnel by Discipline  
Civil Engineers 5  
Structural Engineers 17  
Technical 23  
Administrative 4  
Total 49

Structural and Civil Engineering services for commercial, corporate, educational, retail, government, health care, hotel, senior housing and parking facilities. Engineering and planning for industrial and agribusiness including food and dairy processing facilities; shipping and handling facilities; grain storage, handling and processing; ethanol facilities; manufacturing; and power plants.

Blaine National Sports Center, Blaine, MN; Tri-State Aggregate, Shakopee, MN; Dakota County Senior Housing, St. Paul, MN; Joint Apprenticeship Training Center, Maple Grove, MN; Ramsey Town Center, Ramsey, MN; New Guthrie Theater, Minneapolis, MN

■ **WENZEL ENGINEERING INC.**

10100 Morgan Avenue S.  
Bloomington, MN 55431  
Tel: 952/888-6516  
Fax: 952/888-2587  
Email: wei@wenzelengineering.com  
www.wenzelengineering.com  
Established 1990

Lowell E. Wenzel PE  
Patricia A. Cole PE  
Jeff A. Segar PE

Continued on next column

Firm Personnel by Discipline  
Structural Engineers 4

Technical 1  
Administrative 1  
Total 6

Wenzel Engineering, Inc. is a Structural Engineering Firm dedicated to understanding and meeting our clients' goals. Our experience includes new facilities, renovations, additions, and investigations for commercial, industrial, public, retail, educational, religious and healthcare clients.

Fond du Lac Tribal College, Cloquet, MN; Soil Nailed Wall, Route 169, Clay County, MO; Island Station, St. Paul, MN; Continental Manor Nursing Home, WI; 5000 France, Edina, MN; St. Mary's Hospital, Detroit Lakes, MN

■ **WESTWOOD PROFESSIONAL SERVICES, INC.**

7699 Anagram Drive  
Eden Prairie, MN 55344  
Tel: 952/937-5150  
Fax: 952/937-5822

E-mail: wps@westwoodps.com  
Established 1972  
Other Offices: St. Cloud and Brainerd, MN

Dennis Marhula PE  
Dwight Jelle PE  
Martin Weber LS  
Paul Greenhagen LS  
Richard Wiebe LA  
Bruce Grivna LS

Firm Personnel by Discipline  
Civil Engineers 33  
Other Professional 54  
Technical 31  
Administrative 8  
Field Staff 51

Westwood is a Minnesota-based, full-service engineering consulting firm, specializing in land development, and providing planning, landscape architecture, surveying, civil engineering and traffic services to private and public agencies. Westwood was established in 1972, and now operates three Minnesota offices, with the headquarters in Eden Prairie and branch offices in St. Cloud and Brainerd, MN

Continued on next column

Riverdale, Coon Rapids, MN; Super Targets, Lakeville and Blaine, MN; Evermoor, Rosemount, MN; Liberty on the Lake, Stillwater, MN; Cobblestone Lake, Apple Valley, MN; Minneapolis Traffic Operations Project, Minneapolis, MN

■ **WIDSETH SMITH NOLTING**

7804 Industrial Park Road  
Baxter, MN 56425  
Tel: 218/829-5117

Fax: 218/829-2517  
www.wsn-mn.com  
Established 1975  
Other Offices: Alexandria, Bemidji, Crookston, MN; Grand Forks, ND  
Contact: Timothy Moe, PE, 320/762-8149

Timothy Moe PE  
Don Anderson PE  
Tim Bayerl PE  
Dave Kildahl PE  
Paul Richards AIA  
Roger Helland AIA  
Kevin Donnay AIA

Firm Personnel by Discipline  
Civil Engineers 23  
Structural Engineers 3  
Mechanical Engineers 4  
Electrical Engineers 1  
Environmental Scientists, Geologists, Land Surveyors, Transportation Engineers 15  
Architects 14  
Construction Manager 1  
Technical 61  
Administrative 18  
Total Staff 140

WSN is a fully-integrated engineering, architecture, land surveying and environmental services firm. Our engineering group includes: Civil - primarily municipal and water resources; Structural - project specific, industrial and bridges; Mechanical/Electrical - HVAC, plumbing and lighting. Our complete team solves a variety of design and construction issues from planning to completion.

ISD 181 Forestview Middle School, Baxter, MN; Red Lake River Restoration and Habitat Improvement Project, Crookston, MN; 3rd Avenue Reconstruction, Alexandria, MN; Bagley Stabilization Ponds, Bagley, MN; Gordon's Bridge (No. 05533), Benton County, MN; Crow Wing County CSAH 20, Brainerd, MN

■ **YAGGY COLBY ASSOCIATES**

717 Third Avenue SE  
Rochester, MN 55904  
Tel: 507/288-6464  
Fax: 507/288-5058  
E-mail: info@yaggy.com  
www.yaggy.com  
Established 1970

Other Offices: Mendota Heights and Hastings, MN; Mason City, IA; Delafield, WI

Donald Borcharding PE, RLS  
Chris Colby AIA, CID  
Scott Samuelson PE  
Jose Rivas AIA  
Robert Ellis  
Dale Allen PE

Firm Personnel by Discipline  
Civil Engineers 45  
Structural Engineers 2  
Transportation Engineers 9  
Geo-technical Engineers 2  
Architects 5  
Other Professional 40  
Technical 51  
Administrative 26  
Total 180

Municipal, Transportation, Land Development, and Building and Site Services including grading and utility plans, storm water management, water and wastewater treatment and permitting, parking lots, traffic studies, geotechnical and structural design, boundary and topographical surveys, construction grading, subdivision plats, ALTA's, agency permitting, landscape plans, wetland delineation, and environmental studies.

St. Bernard's Catholic Church, Stewartville, MN; Mayo NE Clinic, Rochester, MN; Merchants Bank, Lakeville, MN; Gateway Terrace, La Crosse, WI; Menards South, Rochester, MN; Grandview Commons, Burnsville, MN



## SRI LANKA COMMUNITY CENTER CHARRETTE

Design team: Architecture for Humanity, Minnesota Chapter  
Location: Monrovia Estate, Hikkaduwa, Sri Lanka  
Client: Minnesota-Sri Lanka Friendship Foundation (MNSLFF)—Ananda (Lal) Liyanapathirana; Mithula Perera; Nevanka Goonewardena; Becky Guneratne  
Charrette participants: Jeffrey Swainhart, Allied AIA (Swainhart Construction); Rich Koechlein (URS Corp.); Cassie Neu (LHB); Tu-Anh Bui, Assoc. AIA (LHB); Maureen Ness, AIA (LHB); Jess Roberts (LHB); Vicki Hooper, AIA (HGA); Michael Nolan, AIA (SmithGroup); Nick Woodard, AIA (SmithGroup); Pei-Ling Ko (SmithGroup); Ben Sporer (Landform); Stephen Mastey (Landscape Architecture Inc.); Richard Venberg (Against the Grain Design); Sishir Chang (Pan-Asian Tsunami Healing); Kathryn Martenson (College of Architecture and Landscape Architecture [CALA], University of Minnesota); Patrick Lynch (CALA); Colin Kloecker (CALA)  
Charrette sponsors: LHB; SmithGroup; Rich Koechlein; MNSLFF

## CLARE APARTMENTS



Design team (left to right): Michelle Baltus Pribyl, Assoc. AIA; Todd Rhoades, AIA; Terri Cermak, AIA; Lisa Germann; not pictured: Kendra Wilson Beaubien

Location: Minneapolis, Minnesota  
Client: Clare Housing  
Architect: Cermak Rhoades Architects  
Principal-in-charge: Todd Rhoades, AIA  
Project manager: Michelle Baltus Pribyl, Assoc. AIA  
Project team: Todd Rhoades, AIA; Terri Cermak, AIA; Michelle Baltus Pribyl, Assoc. AIA; Kendra Wilson Beaubien; Lisa Germann  
Structural engineer: Mattson Macdonald Young—Dave Hoepner, project engineer  
Civil engineer: Van Sickel, Allen & Associates—Anthony Pini, project engineer

Landscape architect: Spencer Jones  
Landscape Architect  
General contractor: Frerichs Construction—Chad Olson, project manager; Chad Reineccius, job-site superintendent  
Mechanical contractor: Schadeegg Mechanical  
Electrical contractor: Ridgedale Electric  
Brick and glazed block: Ochs Brick (brick supplier); Astra-Glaze (glazed block manufacturer); Serice Construction, Inc. (installer)  
Window and storefront: Traco (manufacturer); Midwest Window & Door, LLC (window installer); Empirehouse, Inc. (storefront installer)  
Stucco/EIFS: Stucco One, Inc.  
Photographer: Aaron Holmberg Photography

## MORA VASALOPPET NORDIC SKI CENTER



Design team (left to right) David Salmela, FAIA; Souliyah Keobounpheng, Assoc. AIA

Location: Mora, Minnesota  
Client: Mora Vasaloppet Nordic Ski Center  
Architect: Salmela Architect  
Design team: David Salmela, FAIA; Souliyah Keobounpheng, Assoc. AIA  
Structural engineer: Bruno Franck  
Contractor: Ben's Construction  
Photography: Peter Bastianelli-Kerze

## THEATRE DE LA JEUNE LUNE LOBBY RENOVATION



Design team (left to right): Matthew Kreilich, Assoc. AIA; Melisa Pezuk, Assoc. AIA

Location: Minneapolis, Minnesota  
Client: Theatre de la Jeune Lune  
Project designers: Matthew Kreilich, Assoc. AIA; Melisa Pezuk, Assoc. AIA

Construction team: Dan Lori; Molly Diers; Christopher Heilman; Mark Garcia; Steve Kath; Glenn Klapperich; Ruth Kostick; Kristen Larsen; Anna Meyer; Julia Reisinger; Roger Sundean; Ben Trudeau; Amy Wortman  
Photographer: Don F. Wong

## THE CLEAN HUB

Client: Architecture for Humanity, Minnesota chapter—Jeffrey Swainhart, Allied AIA; Cassie Neu; Maureen Ness, AIA; Richard Koechlein  
Architect: Shelter Architecture, LLC  
Project architect: John Gavin Dwyer, AIA  
Consultants: GE Infrastructure; GE Energy; UN-HABITAT  
Imagery: Shelter Architecture, LLC

## "PETS AND PICASSO" DOGHOUSES

Client: Greater West Metro Humane Society and Hopkins Center for the Arts



UrbanWorks design team (left to right): Todd Hoffmaster; Mike Kisch; Paul Olson, AIA; David Stahl, Assoc. AIA

Architect: UrbanWorks Architecture LLC  
Project lead designer: David Stahl, Assoc. AIA  
Project team: David Stahl, Assoc. AIA; Mike Kisch; Paul Olson, AIA; Todd Hoffmaster  
Photographer: Joshua Jansen

Architect: DJR Architecture, Inc.  
Principal-in-charge: Scott England, AIA  
Project manager: Scott England, AIA  
Project architects: Beth Pfeifer; Chris Whitehouse; Tom Parent; Rachael Parry; Susan Marks  
Project lead designer: Beth Pfeifer  
Project team: Chris Whitehouse; Tom Parent; Rachael Parry; Susan Marks  
Millwork: Clear Cedar  
Photographer: Ryan Sturtz

DJR design team (left to right): Susan Marks; Scott England, AIA; Oliver; Chris Whitehouse; Tom Parent; Soledad; Rachael Parry; Beth Pfeifer and Bella





### ST. PAUL CONSERVATORY FOR PERFORMING ARTISTS



Design team (left to right): Doug Pierce, AIA; Jennifer Somers; Melissa Thate; Paul Neuhaus, AIA; Todd Lenthe

Location: Landmark Center, St. Paul, Minnesota  
 Client: St. Paul Conservatory for Performing Artists  
 Architect: Perkins+Will  
 Principal-in-charge: Charles D. Knight, AIA  
 Project manager: Jennifer Somers  
 Project architect: Paul Neuhaus, AIA  
 Project team: Jennifer Somers; Doug Pierce, AIA; Todd Lenthe; Melissa Thate; Mark Nelson; Taressa Kreuger  
 Construction manager: Roger Purdy, Kraus Anderson Construction  
 Mechanical engineering team: Gene Sieve, Dunham Associates  
 Electrical engineering team: Bill Schweitzer, Dunham Associates  
 Code consultant: Michael O'Hara, The MountainStar Group  
 Structural engineering team: Brian Szwed, MBJ  
 Millwork: Paul's Architectural Woodcraft Company  
 Flooring systems/materials: Benson Carpets  
 Window systems: Minneapolis Glass  
 Doors and hardware: Twin City Hardware  
 Photographer: Andrea Rugg

**www.aia-mn.org**

**C**lick on this site for information on the firms that are a part of the American Institute of Architects Minnesota.

Questions?  
 Call 612/338-6763.

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 Western Red Cedar/Mid-America Cedar, p. 8

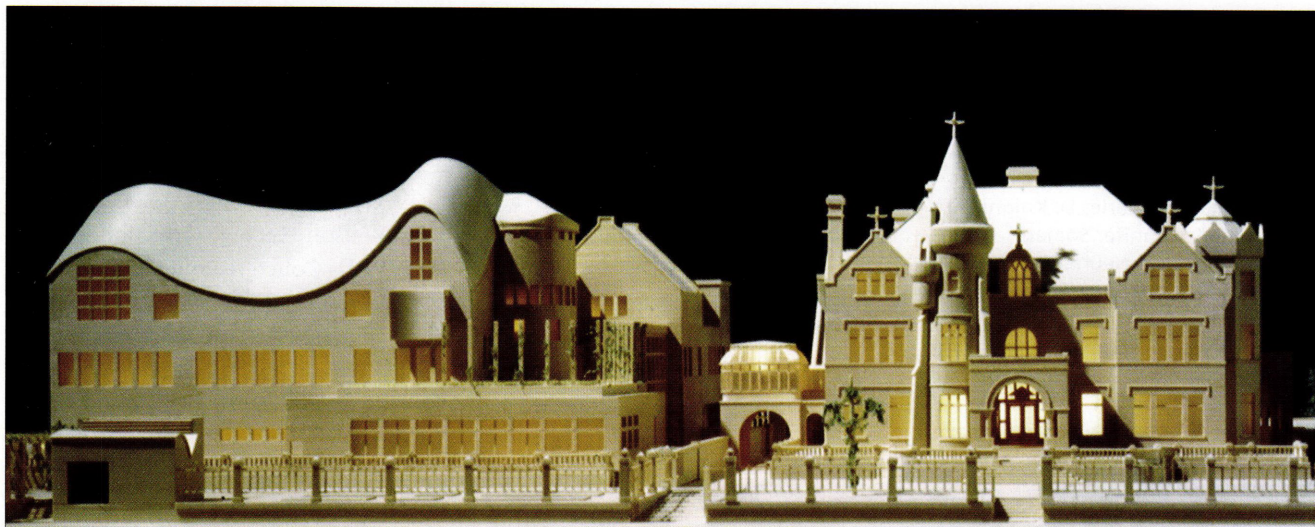
### Correction to Directory of General Contractors Nov/Dec 2005 Issue

**WATSON-FORSBERG CO.**  
 1433 Utica Avenue S., Ste. 252  
 Minneapolis, MN 55416  
 Tel: 952/544-7761  
 Fax: 952/544-1826  
 Email: cindyh@watson-forsberg.com  
 www.watson-forsberg.com  
 Established 1965  
 Total in MN Office: 40  
 Contact: Dale Forsberg, 952/544-7761

Watson-Forsberg Co. builds: commercial, multi-family, retail, religious, educational, medical and industrial projects. New Construction projects and renovation, ranging from \$10,000 to \$25,000,000 (not \$25,000 as stated in the Nov/Dec '05 issue).



# The American Swedish Institute Addition and Renovation



B. AARON PARKER & ASSOCIATES

**WHO:** B. Aaron Parker & Associates | Metropeligo, Minneapolis

**WHAT:** A major expansion of The American Swedish Institute (ASI) that will accommodate ASI's expanded mission and preserve the historic 1908 Swan Turnblad mansion. The new 50,000-square-foot Cultural Center, which will more than double ASI's current space, is slated to include educational facilities, a 199-person performance hall (beneath the sinuous main roof), exhibition galleries, a library, archives, collections storage, and a restaurant and retail shops. A tunnel will connect the Cultural Center's atrium lobby to the lower level of the mansion. ASI recently purchased the remainder of its block for use as gardens, festival grounds, and an artfully designed parking field.

**WHERE:** Minneapolis

**WHEN:** Construction of new addition, gardens, and festival grounds is anticipated for fall 2008





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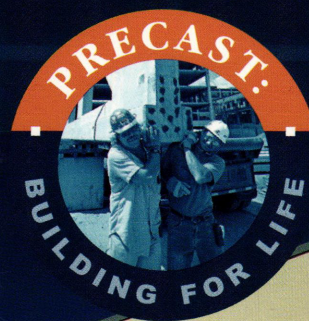
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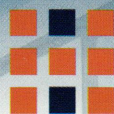
#### Hanson Structural Precast Midwest, Inc.

For more than 35 years, we have designed, manufactured, and installed architectural and structural precast components. Our values are defined by commitment to providing quality service and products. Our experienced staff collaborates with leading architectural and engineering firms to design-build structures with a sense of urgency and accountability.

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Andover YMCA / Community Center, Andover, MN



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